

SERVICE MANUAL

AA-2U CHASSIS



<u>MODEL</u>	<u>COMMANDER</u>	<u>DEST</u>	<u>CHASSIS NO.</u>
KV-32FV16	RM-Y171	US	SCC-S44E-A
KV-32FV26	RM-Y170	US	SCC-S44F-A
KV-32FV26	RM-Y170	CND	SCC-S45D-A
KV-34FV16	RM-Y171	E	SCC-S50A-A
KV-34FV16C	RM-Y171	E	SCC-S50B-A
KV-34FX260	RM-Y170	E	SCC-S50C-A
KV-34FX260C	RM-Y170	E	SCC-S50D-A

SONY®

SPECIFICATIONS

		KV-32FV16 KV-32FV26	KV-34FV16 KV-34FV16C KV-34FX260 KV-34FX260C
Power requirements		120V/60Hz	120V-220V / 60Hz, 50Hz
Number of inputs/outputs			
	Video ¹⁾	3	
	S Video ²⁾	2	
	Y, P _B , P _R ³⁾	1	
	Audio ⁴⁾	4	
	Audio Out ⁵⁾	1	
	Monitor Out	1	
	S-Link	3	
	Control-S (IN/OUT)	1	
Speaker output(W)		15Wx2	
Power Consumption(W)			
	In use(Max)	200W	
	In standby	2W	
Dimensions(W/H/D)			
	(mm)	882 x 687 x 592 mm	
	(inches)	34 ^{3/4} x 27 x 23 ^{1/4}	
Mass			
	(kg)	80 kg	
	(lbs)	176 lbs.	

- ¹⁾ 1 Vp-p 75 ohms unbalanced, sync negative
²⁾ Y: 1 Vp-p 75 ohms unbalanced, sync negative
C: 0.286 Vp-p (Burst signal), 75 ohms
³⁾ Y: 1.0 Vp-p, 75 ohms, sync negative; P_B: 0.7 Vp-p, 75 ohms;
P_R: Vp-p, 75 ohms
⁴⁾ 500 mVrms (100% modulation), Impedance: 47 kilohms
⁵⁾ More than 408 mVrms at the maximum volume setting (variable)
More than 408 mVrms (fix); Impedance (output): 2 kilohms

Television system

American TV standard, NTSC

Channel coverage

VHF: 2-13/ VHF: 14-69/ CATV: 1-125

Picture tube

Flat Trinitron® tube

Visible screen size

32-inch picture measured diagonally

Actual screen size

34-inch measured diagonally

Antenna

75 ohm external terminal for VHF/UHF

Supplied Accessories

RM-Y170 (KV-32FV26/KV-34FX260/34FX260C ONLY)

RM-Y171 (KV-32FV16/34FV16/34FV16C ONLY)

Batteries size AA (R6) (2)

Wireless Stereo Headphones MDR-1F0230

(ALL EXCEPT KV-32FV16/34FV16/34FV16C)

Battery for Headphones size AA (R6) (1)

(ALL EXCEPT KV-32FV16/34FV16/34FV16C)

Optional Assessories

AV Cable: VMC-810/820/830 HG

Audio Cable: RKC-515HG

S-LINK Cable: RK-G69HG

Component Video Cable: VMC-10/30 HG

TV Stand: SU-32FD3

(●) SRS (SOUND RETRIEVAL SYSTEM)

The (●) SRS (SOUND RETRIEVAL SYSTEM) is manufactured by Sony Corporation under license from SRS Labs, Inc. It is covered by U.S. Patent No. 4,748,669. Other U.S. and foreign patents pending.

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Design and specifications are subject to change without notice.

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WARNINGS AND CAUTIONS

CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS. THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY SHADING AND MARK \triangle ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS, AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL FOR SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

ATTENTION!!

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

ATTENTION!!

AFIN D'EVITER TOUT RESQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MARQUE \triangle SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT SUSPECTE.

SELF-DIAGNOSTIC FUNCTION

The units in this manual contain a self-diagnostic function. If an error occurs, the STANDBY/TIMER LED will automatically begin to flash. The number of times the LED flashes translates to a probable source of the problem. A definition of the STANDBY/TIMER LED flash indicators is listed in the instruction manual for the user's knowledge and reference. If an error symptom cannot be reproduced, the Remote Commander can be used to review the failure occurrence data stored in memory to reveal past problems and how often these problems occur.

Diagnostic Test Indicators

When an error occurs, the STANDBY/TIMER LED will flash a set number of times to indicate the possible cause of the problem. If there is more than one error, the LED will identify the first of the problem areas.

Results for all of the following diagnostic items are displayed on screen. No error has occurred if the screen displays a "0".

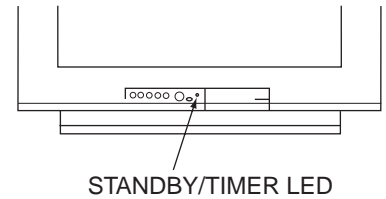
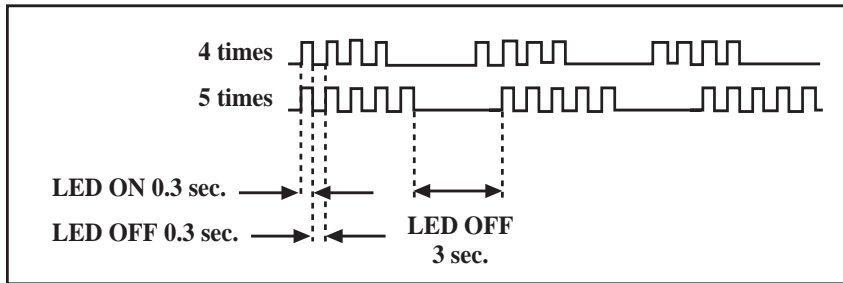
Diagnostic Item Description	No. of Times STANDBY/TIMER LED Flashes	Self-diagnostic Display/ Diagnostic Result	Probable Cause Location	Detected Symptoms
Power does not turn on	Does not light	N/A	<ul style="list-style-type: none"> Power cord is not plugged in. Fuse is burned out. (F601) (A Board) 	<ul style="list-style-type: none"> Power does not come on. No power is supplied to the TV. AC power supply is faulty.
+B overcurrent (OCP)*	N/A	N/A	<ul style="list-style-type: none"> H.OUT (Q502) is shorted. (A Board) IC1701 is shorted. (C Board) 	<ul style="list-style-type: none"> Power does not come on. Load on power line is shorted.
+B overvoltage (OVP)*	N/A	N/A	<ul style="list-style-type: none"> IC643 or T603 is open. (G Board) IC6003 or PH6001 is open (GA Board) 	<ul style="list-style-type: none"> Power does not come on.
V-STOP*	4 times	4:0 or 4:1	<ul style="list-style-type: none"> +12V is not supplied. (A Board) IC502 is faulty. (A Board) 	<ul style="list-style-type: none"> Has entered standby state after horizontal raster. Vertical deflection pulse is stopped. Power line is shorted or power supply is stopped.
IK (AKB)	5 times	5:0 or 5:1	<ul style="list-style-type: none"> Video OUT (IC502) is faulty. (A Board) IC355 is faulty. (A Board) Screen (G2) is improperly adjusted.** 	<ul style="list-style-type: none"> No raster is generated. CRT cathode current detection reference pulse output is small.

* If a +B overcurrent is detected, stoppage of the vertical deflection is detected simultaneously.

The symptom that is diagnosed first by the microcontroller is displayed on the screen.

** Refer to Screen (G2) Adjustments in Section 2-4 of this manual.

Display of Standby/Timer LED Flash Count



<u>Diagnostic Item</u>	<u>Flash Count*</u>
V-STOP	4 times
IK (AKB)	5 times

*One flash count is not used for self-diagnostic.

Stopping the Standby/Timer LED Flash

Turn off the power switch on the TV main unit or unplug the power cord from the outlet to stop the STANDBY/TIMER LAMP from flashing.

Self-Diagnostic Screen Display

For errors with symptoms such as “power sometimes shuts off” or “screen sometimes goes out” that cannot be confirmed, it is possible to bring up past occurrences of failure on the screen for confirmation.

To Bring Up Screen Test

In standby mode, press buttons on the Remote Commander sequentially, in rapid succession, as shown below:

Display → Channel [5] → Sound volume [−] → Power ON



Note that this differs from entering the service mode (sound volume [+]).

Self-Diagnostic Screen Display

SELF DIAGNOSIS	
2: +B OCP	N/A
3: +B OVP	N/A
4: VSTOP	0
5: AKB	1
101: WDT	24

← Numeral “0” means that no fault was detected.

← Numeral “1” means a fault was detected one time only.

Handling of Self-Diagnostic Screen Display

Since the diagnostic results displayed on the screen are not automatically cleared, always check the self-diagnostic screen during repairs. When you have completed the repairs, clear the result display to “0”.

Unless the result display is cleared to “0”, the self-diagnostic function will not be able to detect subsequent faults after completion of the repairs.

Clearing the Result Display

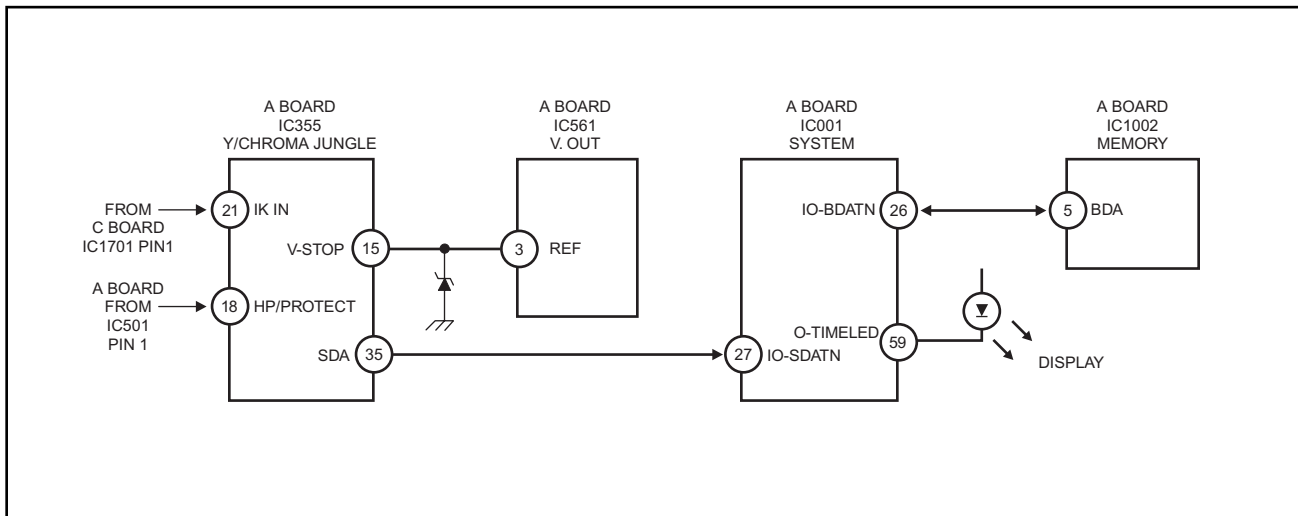
To clear the result display to “0”, press buttons on the Remote Commander sequentially when the diagnostic screen is displayed, as shown below:

Channel **8** → **ENTER**

Quitting the Self-Diagnostic Screen

To quit the entire self-diagnostic screen, turn off the power switch on the Remote Commander or the main unit.

Self-Diagnostic Circuit



+B overcurrent (OCP)

Occurs when an overcurrent on the +B (135V) line is detected by pin 18 of IC355 (A Board). If the voltage of pin 18 of IC355 (A Board) is less than 1V when V.SYNC is more than seven verticals in a period, the unit will automatically turn off.

+B overvoltage (OVP)

Occurs when the feedback circuit from +B opens IC643 or T603 (G Board)/IC6003 or PH6001 (GA Board) or any other associated feedback components.

V-STOP

Occurs when an absence of the vertical deflection pulse is detected by pin 15 of IC355 (A Board). Power supply will shut down when waveform interval exceeds 2 seconds.

IK (AKB)

If the RGB levels* do not balance within 2 seconds after the power is turned on, this error will be detected by IC355 (A Board). TV will stay on, but there will be no picture.

*(Refers to the RGB levels of the AKB detection Ref pulse that detects 1K).

NOTE:

Watch Dog Timer

Indicates how many times the Watch Dog Timer functions have been activated. Whenever micro is reset by the Watch Dog Timer, this number is incremented. Maximum number is 255.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or touching high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cords for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the B+ and HV to see if they are specified values. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
8. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

Leakage Test

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instructions.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low voltage scale. The Simpson's 250 and Sanwa SH-63TRD are examples of passive VOMs that are suitable. Nearly all battery-operated digital multimeters that have a 2 VAC range are suitable (see Figure A).

How to Find a Good Earth Ground

A cold-water pipe is a guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60- to 100-watt trouble- light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side on the line; the lamp should light at normal brilliance if the screw is at ground potential (see Figure B).

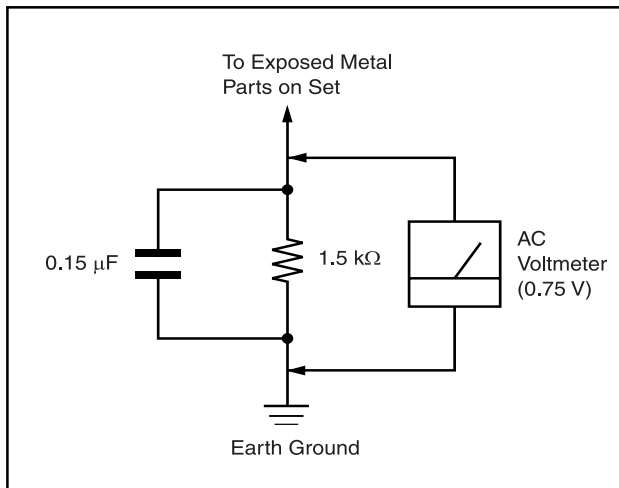


Figure A. Using an AC voltmeter to check AC leakage.

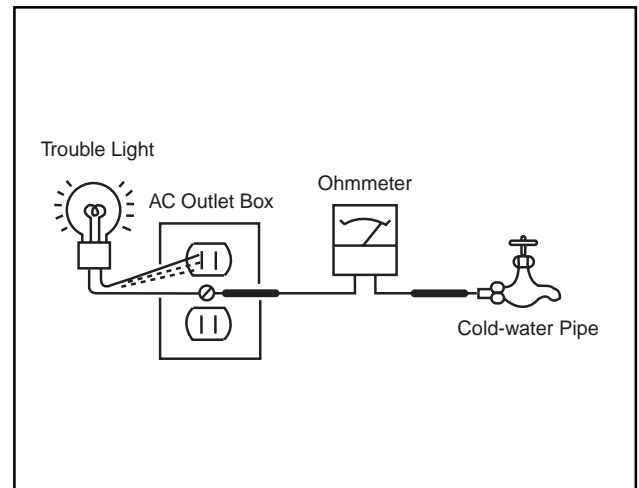
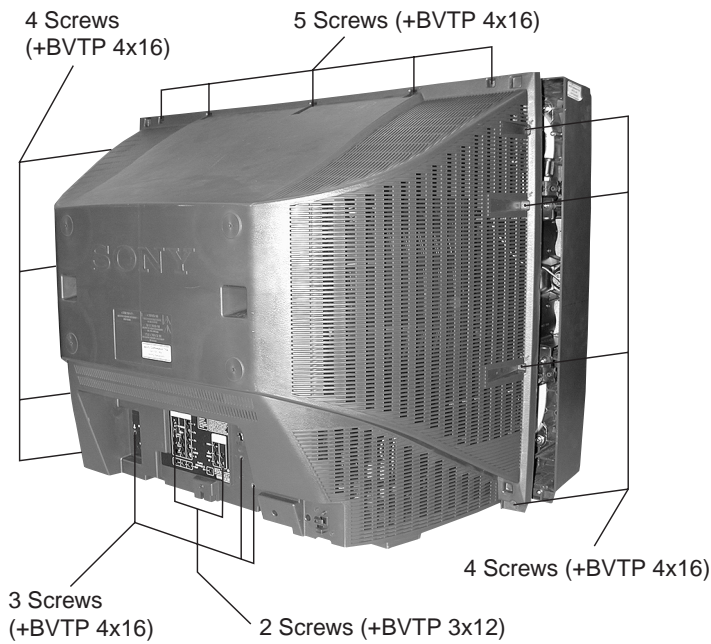


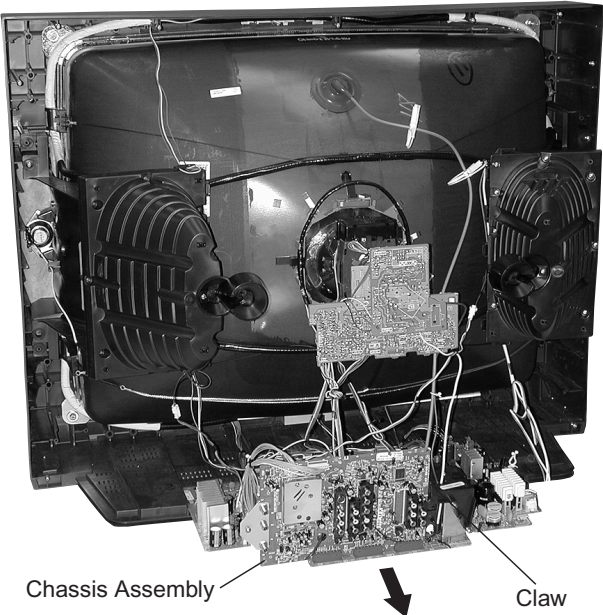
Figure B. Checking for earth ground.

SECTION 2
DISASSEMBLY

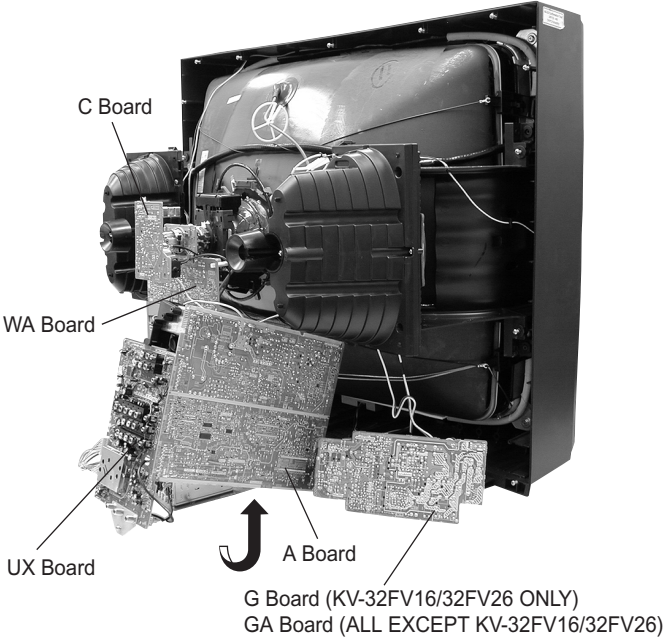
1-1. REAR COVER REMOVAL



1-2. CHASSIS ASSEMBLY REMOVAL



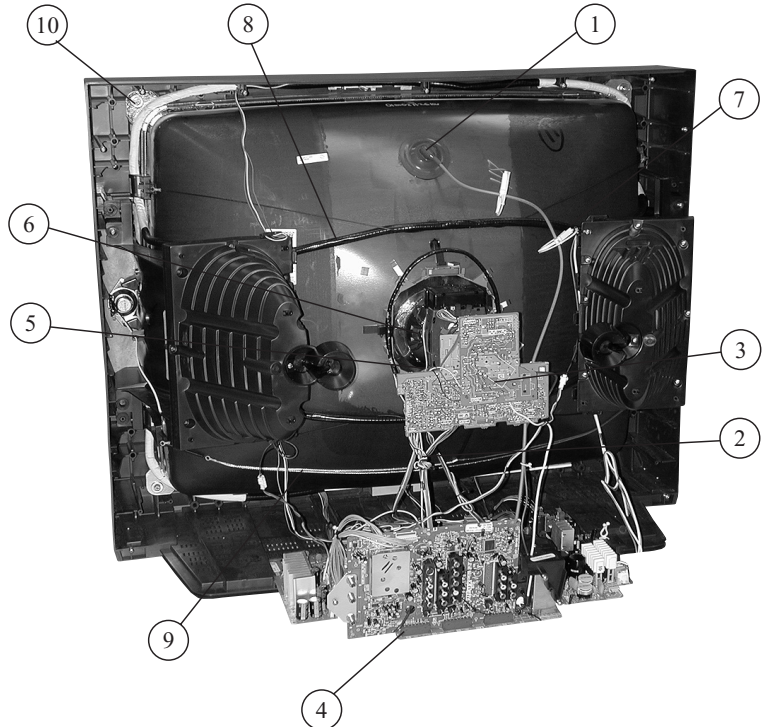
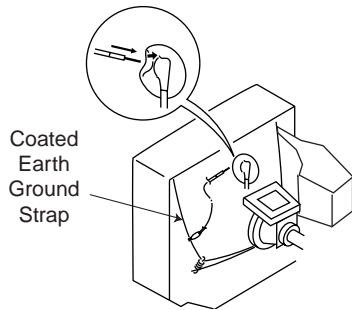
1-3. SERVICE POSITION



1-4. PICTURE TUBE REMOVAL

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT **before** attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.



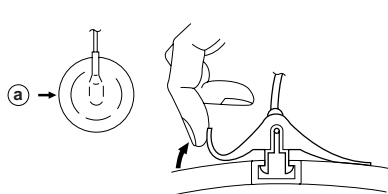
1. Discharge the anode of the CRT and remove the anode cap.
2. Unplug all interconnecting leads from the deflection yoke, neck assembly, degaussing coils and CRT grounding strap.
3. Remove the C Board from the CRT.
4. Remove the chassis assembly.
5. Loosen the neck assembly fixing screw and remove.
6. Loosen the deflection yoke fixing screw and remove.
7. Place the set with the CRT face down on a cushion and remove the degaussing coil holders.
8. Remove the degaussing coils.
9. Remove the CRT grounding strap and spring tension devices.
10. Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT [Take care not to handle the CRT by the neck].

ANODE CAP REMOVAL

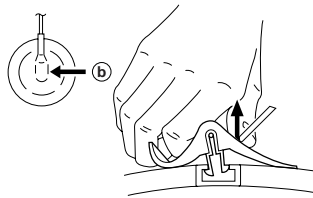
WARNING: High voltage remains in the CRT even after the power is disconnected. To avoid electrical shock, discharge the CRT **before** attempting to remove the anode cap. Short between anode and coated earth ground strap of CRT.

NOTE: After removing the anode, short circuit the anode of the picture tube and the anode cap to either the metal chassis, CRT shield, or carbon painted on the CRT.

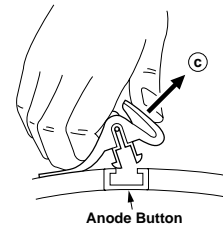
REMOVAL PROCEDURES



- ① Turn up one side of the rubber cap in the direction indicated by arrow (a).



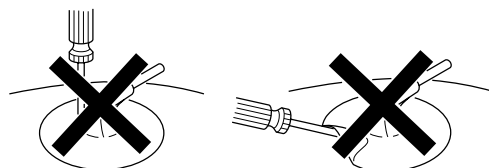
- ② Use your thumb to pull the rubber cap firmly in the direction indicated by arrow (b).



- ③ When one side of the rubber cap separates from the anode button, the anode cap can be removed by turning the rubber cap and pulling it in the direction of arrow (c).

HOW TO HANDLE AN ANODE CAP

- ① Do not use sharp objects which may cause damage to the surface of the anode cap.
- ② To avoid damaging the anode cap, do not squeeze the rubber covering too hard. A material fitting called a shatter-hook terminal is built into the rubber.
- ③ Do not force turn the foot of the rubber cover. This may cause the shatter-hook terminal to protrude and damage the rubber.



SECTION 2

SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed.

These adjustments should be performed with rated power supply voltage unless otherwise noted.

The controls and switch should be set as follows unless otherwise noted:

PICTURE control normal

BRIGHTNESS control normal

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. Focus
4. Screen (G2)/White Balance

Note: Test Equipment Required:

1. Color Bar Pattern Generator
2. Degausser
3. DC Power Supply
4. Digital Multimeter
5. Oscilloscope
6. CRT Analyzer

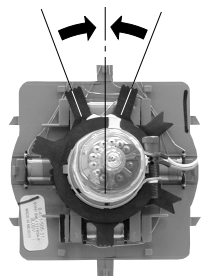
2-1. BEAM LANDING

Preparation:

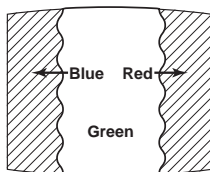
- Input a white pattern signal.
- Face the picture tube in an East or West direction to reduce the influence of geomagnetism.

NOTE: Do not use the hand degausser because it magnetizes the CRT .

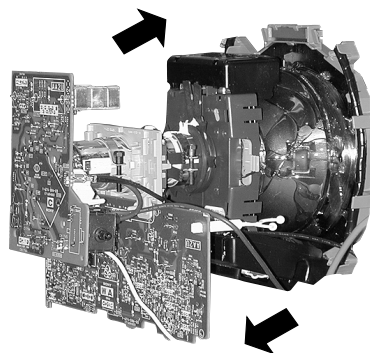
1. Input white pattern from pattern generator.
2. Loosen the deflection yoke mounting screw, and set the purity control to the center as shown below:



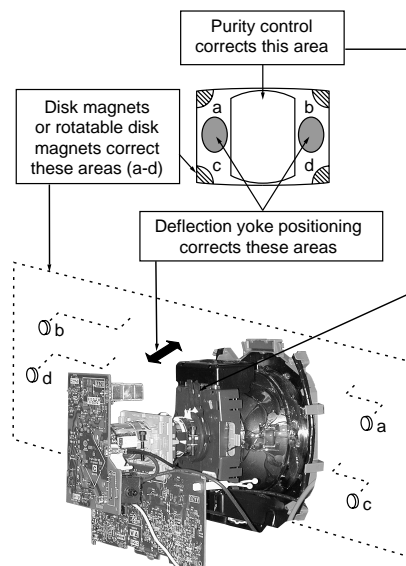
3. Input green pattern from pattern generator.
4. Move the deflection yoke backward, and adjust with the purity control so that green is in the center and red and blue are even on both sides.



5. Move the deflection yoke forward, and adjust so that the entire screen becomes green.



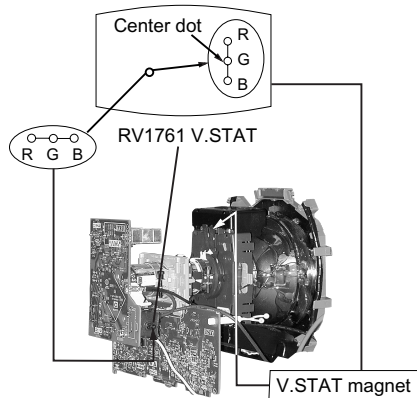
6. Switch over the raster signal to red and blue and confirm the condition.
7. When the position of the deflection yoke is determined, tighten it with the deflection yoke mounting screw.
8. When landing at the corner is not right, adjust by using the disk magnets.



2-2. CONVERGENCE

Preparation:

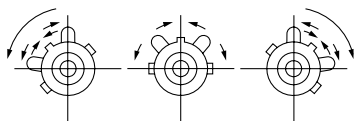
- Perform FOCUS, V. LIN and V. SIZE adjustments.
- Set BRIGHTNESS control to minimum.
- Input dot pattern.



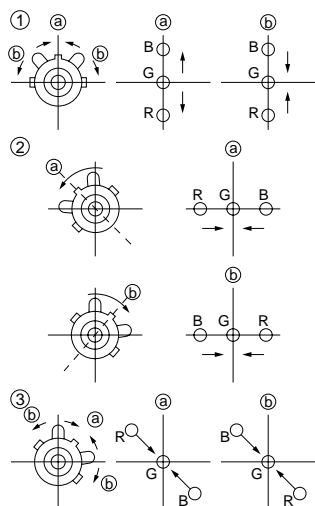
Vertical and Horizontal Static Convergence

1. Adjust V. STAT magnet to converge red, green and blue dots in the center of the screen (Vertical movement).

Tilt the V. STAT magnet and adjust static convergence to open or close the V. STAT magnet.



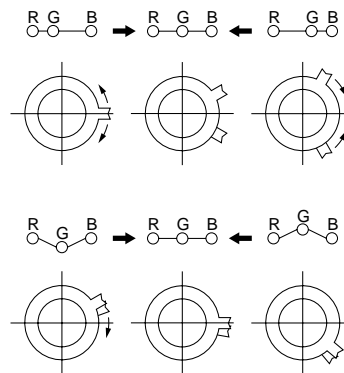
2. When the V. STAT magnet is moved in the direction of arrow a and b, red, green, and blue dots move as shown below:



Operation of BMC (Hexapole) Magnet

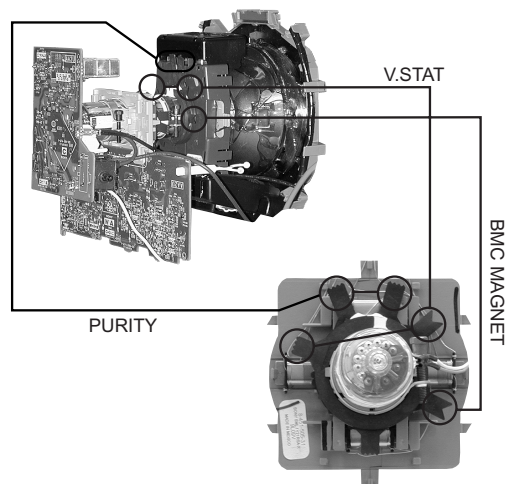
The respective dot positions resulting from moving each magnet interact, so perform adjustment while tracking.

- 1 Use the V. STAT tabs to adjust the red, green, and blue dots so they line up at the center of the screen (move the dots in a horizontal direction).



Y Separation Axis Correction Magnet Adjustment

1. Input cross-hatch pattern, adjust PICTURE to minimum and BRIGHTNESS to normal.
2. Adjust the deflection yoke upright so it touches the CRT.
3. Adjust so that the Y separation axis correction magnet on the neck assembly is symmetrical from top to bottom (open state).

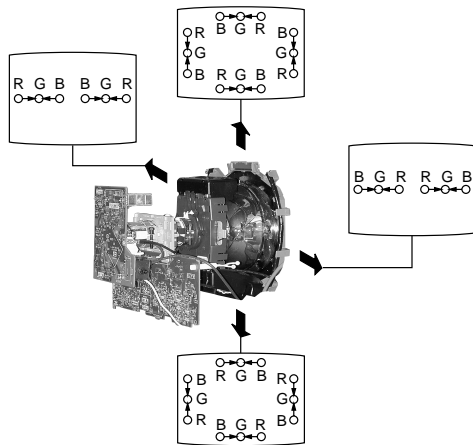


4. Return the deflection yoke to its original position.

Dynamic Convergence Adjustment

Before starting, perform Vertical and Horizontal Static Convergence Adjustment.

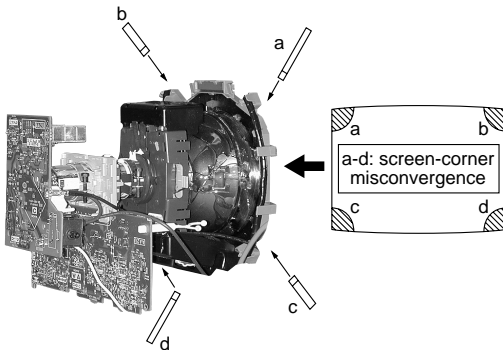
1. Slightly loosen deflection yoke screw.
2. Remove deflection yoke spacers.
3. Move the deflection yoke for best convergence as shown below:



4. Tighten the deflection yoke screw.
5. Install the deflection yoke spacers.

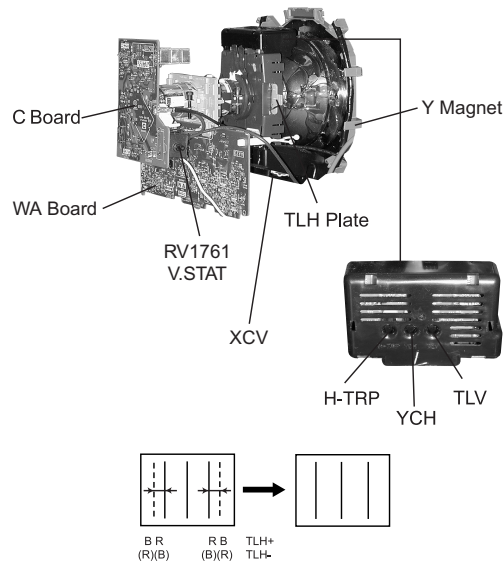
Screen-corner Convergence

1. Affix a permalloy assembly corresponding to the misconverged areas:



TLH Plate Adjustment

- Input crosshatch pattern.
- Adjust PICTURE QUALITY to standard, PICTURE and BRIGHTNESS to 50%, and OTHER to standard.
- Adjust the Horizontal Convergence of red and blue dots by tilting the TLH plate on the deflection yoke.

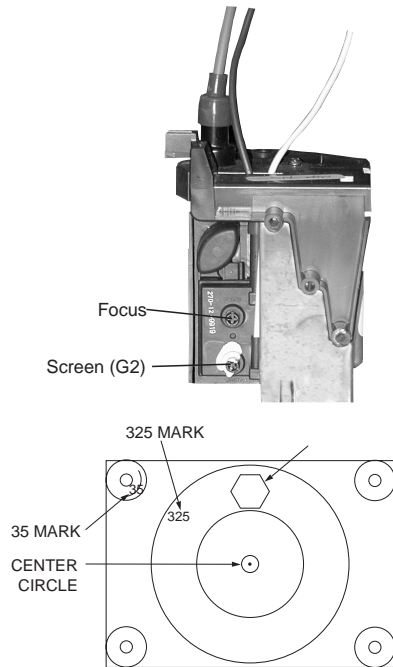


1. Adjust XCV core to balance X axis.
2. Adjust YCH VR to balance Y axis.
3. Adjust vertical red and blue convergence with V.TILT (TLV VR.)
Perform adjustments while tracking items 1 and 2.
4. Adjust Y MAGNET to correct V.BOW Geometry Distortion.
5. Adjust H-TRP to correct H.Trapezoid Geometry Distortion.

After adjusting items 4 and 5, confirm overall geometry again.

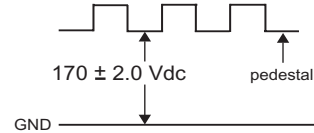
2-3. FOCUS

1. Input monoscope signal.
2. Set user controls to normal.
3. Set video mode to STANDARD.
4. Set the PICTURE to maximum.
5. Adjust at 325 Mark for best center/corner focus balance.
6. Receive an entire white signal. Make sure Magenta Ring is at an acceptable level.



2-4. SCREEN (G2)

1. Input dot pattern from the pattern generator.
2. Set the user controls to NORMAL.
3. Attach the G2-Jig to the C Board.
5. Adjust RCUT, GCUT, BCUT, and SBRT in service mode with an oscilloscope so that voltages on the red, green, and blue cathodes are $170 \pm 2.0\text{Vdc}$.
5. Observe the screen and adjust SCREEN (G2) VR to obtain the faintly visible background of dot signal.
6. Push the TEST + JUMP (+ Channel) to cut off the signal. The screen should be bright or dark. Brightness of raster must be increased when adjusting.
7. Adjust screen VR until the screen is slightly cut off, or scarcely lights up. A signal cannot be seen when the brightness of the raster is high.
8. Push the JUMP again to release the cut off.



2-5. WHITE BALANCE ADJUSTMENTS

NO.	Disp.	Item	All Models
24	RDRV	Red Drive	*
25	GDRV	Green Drive	44
26	BDRV	Blue Drive	38
27	RCUT	Red Cut-off	14:Fix
28	GCUT	Green Cut-off	7
29	BCUT	Blue Cut-off	6
38	SBRT	Sub Bright	6

1. Set program palette to STANDARD and push RESET.
2. Input an entire white signal.
3. Set to Service Adjustment Mode.
4. Set the PICTURE and BRIGHT to minimum.
5. Adjust with SBRT if necessary.
6. Set RCUT to "14".
7. Select GCUT and BCUT with **[1]** and **[4]**.
8. Adjust with **[3]** and **[6]** for the best white balance.
9. Set the PICTURE and BRIGHT to maximum.
10. Select GDRV and BDRV with **[1]** and **[4]**.
11. Adjust with 3 and 6 for the best white balance.
12. Write into the memory by pressing **[MUTING]** then **[ENTER]**.
13. Repeat steps 1-12 for GDR4, BDR4, GCU4 and BCU4 using Video 4 input.

* Use values from Sub Contrast Adjustments

NOTE:

White balance should be adjusted after Sub Contrast because RDRV is also used in Sub Contrast Adjustment. (See page 22).

SECTION 3
SAFETY RELATED ADJUSTMENTS

3-1. **☒ R530, R531 CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**

Always perform the following adjustments when replacing the following components marked with a **☒** mark on the schematic diagram:

Part Replaced (☒)	Adjustment (☒)
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, D302, Q301, R356, R359, R361, A Board	HV HOLD-DOWN R530, R531
IC643, R661 G Board	
IC6003, R6008 GA Board	

Preparation before Confirmation

1. Using a Variac, apply AC input voltage: 130+2.0/-0.0 VAC.
2. Turn the POWER switch ON.
3. Input a white signal and set the PICTURE and BRIGHT controls to maximum.
4. Confirm that the voltage of more than 23.0 VDC appears between TP85 and ground on the A Board.

Hold-Down Operation Confirmation

1. Connect the current meter between Pin 11 of the FBT (T503) and the PWB land where Pin 11 would normally attach (See Figure 1 above).
2. Input a dot signal and set PICTURE and BRIGHTNESS to minimum: IABL = 2175 + 100/-325 μA.
3. Confirm the voltage of A Board TP91 is 135 ± 1.5 VDC.
4. Connect the digital voltmeter and the DC power supply to TP85 and ground. (See Figure 1 above).
5. Increase the DC power voltage gradually until the picture blanks out.
6. Turn DC power source off immediately.
7. Read the digital voltmeter indication (standard = 27.24 + 0.0/- 0.1 VDC).
8. Input a white signal and set PICTURE and BRIGHTNESS to maximum: IABL = 2175 + 100/-325 μA.
9. Repeat steps 4 to 7.

Hold-Down Readjustment

If the setting indicated in Step 2 of Hold-Down Operation Confirmation cannot be met, readjustment should be performed by altering the resistance value of R530, R531 component marked with **☒** .

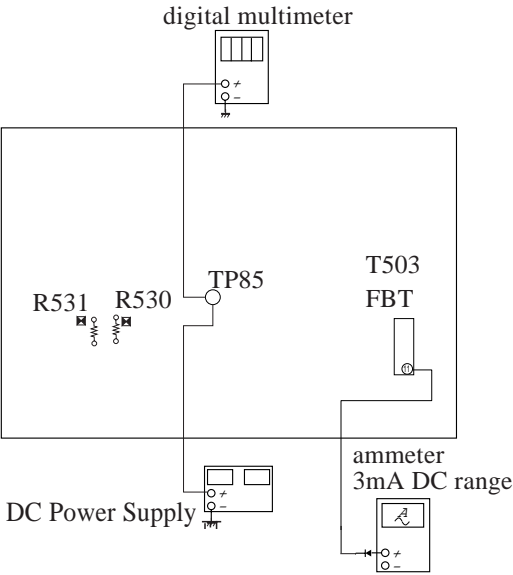


Figure 1

3-2. **B+ VOLTAGE CONFIRMATION AND ADJUSTMENT**

Note: The following adjustments should always be performed when replacing the following components, which are marked with **☒** on the schematic diagram on the G Board or GA Board.

G BOARD: IC643, R661
GA BOARD: IC6003, R6008

1. Using a Variac, apply AC input voltage: 130 + 2.0/-0.0 VAC
2. Input a monoscope signal.
3. Set the PICTURE control and the BRIGHT control to initial reset value.
4. Confirm the voltage of G Board CN641 or GA Board CN6007 between pin ① to ground is less than 136.5 VDC.
5. If step 4 is not satisfied, replace the R661 on G Board or R1008 on GA Board and repeat the above steps.

SECTION 4

CIRCUIT ADJUSTMENTS

ELECTRICAL ADJUSTMENTS BY REMOTE COMMANDER

Use the Remote Commander (RM-Y170, RM-Y171) to perform the circuit adjustments in this section.

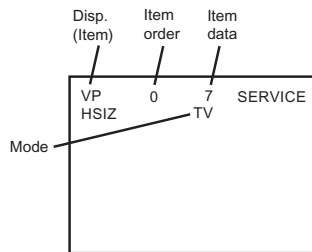
NOTE: Test Equipment Required:

- Pattern generator
- Frequency counter
- Digital multimeter
- Audio oscillator

4-1. SETTING THE SERVICE ADJUSTMENT MODE

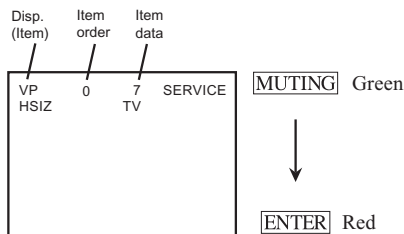
- Standby mode (Power off).
- Press **Display** → Channel **5** → Sound volume **+** → Power on the Remote Commander (Press each button within a second).

Service Adjustment Mode In

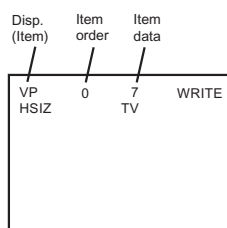


- The CRT displays the item being adjusted.
- Press **1** or **4** on the Remote Commander to select the item.
- Press **3** or **6** on the Remote Commander to change the data.
- Press **MUTING** then **ENTER** to write into memory.

Service Adjustment Mode Memory



- Press **8** then **ENTER** on the Remote Commander to initialize.



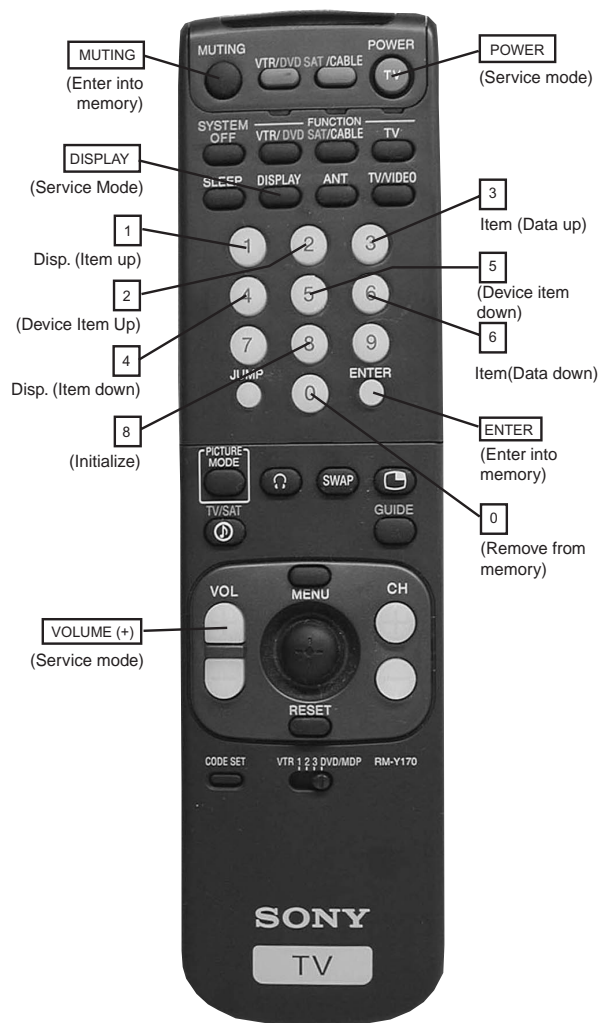
Carry out step 7 when adjusting IDs 0 to 7 and when replacing and adjusting IC002.

- DO NOT turn off set until SERVICE appears.

4-2. MEMORY WRITE CONFIRMATION METHOD

- After adjustment, pull out the plug from the AC outlet, then replace the plug in the AC outlet again.
- Turn the power switch ON and set to Service Mode.
- Call the adjusted items again to confirm they were adjusted.

4-3. ADJUST BUTTONS AND INDICATORS



RM-Y170

4-4. ADJUSTMENT ITEMS

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments
							FV16	FV26	FX260	
0	HPOS	PV SV1312VXC	H-Position	0-63	Adj	7		10		0: 2ms delay, 63: 2ms advance
1	HSIZ		H-Size	0-63	Adj	10		18		EW DC bias, 0: -0.5V, 31: 0V, 63: +0.5V
2	VBOW		AFC Bow	0-15	Adj	6		8		0: top/bottom delay 900ns, 7: center, 15: top/bottom advance 900ns
3	VANG		AFC Angle	0-15	Adj	5		6		0: top delay/bottom advance 650ns, 7: center, 15: top advance/bottom delay 650ns
4	TRAP		Trapezium Adjustment	0-15	Adj	6		7		0: 1.5ms advance, 15: 1.5ms delay
5	PAMP		Pin Compensation	0-63	Adj	32		36		0: 0.15Vpp, 31: 0.7Vpp, 63: 1.3Vpp
6	UCPN		Upper Corner Pin	0-63	Adj	36		39		0: -0.4V, 63: +0.4V
7	LCPN		Lower Corner Pin	0-63	Adj	36		39		0: -0.4V, 63: +0.4V
8	VSIZ		V-Size	0-63	Adj	0		9		0: -15%, 31: 0%, 63: +15%
9	VPOS		V-Position	0-63	Adj	31		36		0: -0.1V, 31: 0V, 63: +0.1V
10	VLIN		V-Linearity	0-15	Adj	7		6		0: 85% top enlarged, 7: 100% top normal, 15: 115% top compressed
11	VSCO		S-Correction	0-15	Adj	7		11		0: 0V added to VD, 15: 100mVpp added to VD
12	VZOM		16:9 CRT Zoom Mode On/Off	0,1	FIX	0		0		0: Zoom Off, 1: Zoom On (top/bottom cut by 25% when ASPECT=31, RGB blanked in this interval)
13	EHT		Vertical Size High Voltage Correction	0-15	FIX	4		4		0: Picture adjusted 0%, 15: Picture Adjusted -5%
14	ASP		Aspect Ration Control 4:3 Mode	0-63	FIX	47		47		0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
15	ASP1		Aspect Ration Control 16:9 Mode	0-63	FIX	47		47		0: 75%(16x9 CRT Full), 31: 100%(4x3 CRT Full), 63: 110%
16	SCRL		16:9 Vertical Scroll During Zoom	0-63	FIX	31		31		0: Scrolled toward top 32H, 63: Scrolled toward bottom 32H
17	HBSW		H Blanking Switch	0,1	FIX	1		1		0: OFF, 1: ON
18	LBLK		Left Blanking	0-15	FIX	15		15		0: +1.2ms, 7: Center, 15: -1.2ms
19	RBLK		Right Blanking	0-15	FIX	0		0		0: +1.2ms, 7: Center, 15: -1.2ms
20	HDW		H Drive Pulse Width	0,1	FIX	1		1		0: Normal Mode (25ms), 1: Narrow Pulse Width
21	EWDC		EW/DC Display 4x3 on 16x9 CRT	0,1	FIX	0		0		0: OFF, 1: ON
22	LVLN		Picture Bottom Lin Adjust	0-15	Adj	0		0		0: 100%, 15: 85% Picture top compressed
23	UVLN		Picture Top Lin Adjust	0-15	Adj	0		0		0: 100%, 15: 85% Picture bottom compressed
24	RDRV		Red Drive	0-63	Adj	31		52		0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
25	GDRV		Green Drive	0-63	Adj	31		44		0: 1.5Vpp, 63: 3.0Vpp Green Signal Output
26	BDRV		Blue Drive	0-63	Adj	31		38		0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
27	RCUT		Red Cutoff	0-15	FIX	7		14		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
28	GCUT		Green Cutoff	0-15	Adj	7		7		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
29	BCUT		Blue Cutoff	0-15	Adj	7		6		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
30	RDR4		Video 4 Red Drive	0-63	Adj	31		42		0: 1.5Vpp, 63: 3.0Vpp Red Signal Output
31	GDR4		Video 4 Green Drive	0-63	Adj	31		33		0: 1.5Vpp, 63: 3.0Vpp Green Signal Output
32	BDR4		Video 4 Blue Drive	0-63	Adj	31		29		0: 1.5Vpp, 63: 3.0Vpp Blue Signal Output
33	RCU4		Video 4 Red Cutoff	0-15	FIX	7		14		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
34	GPU4		Video 4 Green Cutoff	0-15	Adj	7		7		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
35	BCU4		Video 4 Blue Cutoff	0-15	Adj	7		6		0: 3.5mA IK, 7: 13mA IK, 15: 22.7mA IK
36	SBRT		Sub Brightness	0-31	Adj	15		6		Sub Brightness
37	RON		Red Off	0,1	FIX	1		1		0:OFF, 1:ON
38	GON		Green Off	0,1	FIX	1		1		0:OFF, 1:ON
39	BON		Blue Off	0,1	FIX	1		1		0:OFF, 1:ON
40	AXPL		Axis PAL	0,1	FIX	0		0		0: Normal Axis, 1: Forced PAL Asix
41	CBPF		Chroma BPF On/Off	0,1	FIX	1		1		0: BPF OFF, 1: BPF ON
42	COFF		Color On/Off	0,1	FIX	0		0		0: Chroma OFF, 1: Chroma ON
43	TSSP		Sub Sharpness for TV Input	0-15	Fix by model	6		6		0=-12dB, 7=+3.5dB, 15=+9dB
44	TSPF		Sharpness fo for TV Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHZ
45	VSSP		Sub Sharpness for Video Input	0-15	Fix by model	7		7		0=-12dB, 7=+3.5dB, 15=+9dB
46	VSPF		Sharpness fo for Video Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHZ
47	YSSP		Sub Sharpness for YUV Input	0-15	Fix by model	7		7		0=-12dB, 7=+3.5dB, 15=+9dB
48	YSPF		Sharpness fo for YUV Input	0,1	FIX	1		1		0=2.5MHZ, 1=3.0MHZ

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments
							FV16	FV26	FX260	
49	AXNT	VP CXA2131AS	Axis NTSC	0,1	FIX	0		0		0: Japan Axis, 1: US Axis
50	PREL		Pre/Overshoot Ratio	0,1	FIX	1		1		0: 1:1, 1: 2:1
51	DCT		DC Transmission Ratio	0,1	FIX	1		1		0:100%, 1:85%
52	ABLM		ABL Mode	0,1	FIX	1		1		0:Picture ABL, 1:Picture/Brightness ABL
53	FSC		FSC Output On/Off	0,1	FIX	1		1		0: FSC output OFF, 1: FSC output ON
54	HOSC		H VCO Frequency Adjustment	0-15	FIX	7		7		0: Low, 15: High (40 Hz Steps)
55	VSS		Vsync Slice Level	0,1	FIX	0		1		0: 1/3 from sync tip, 1: 1/4 from sync tip
56	HSS		Hsync Slice Level	0,1	FIX	0		1		0: 1/3 from sync tip, 1: 1/4 from sync tip
57	HMSK		Macrovision Countermeasure	0,1	FIX	1		1		0: Off, 1: ON
58	VTMS		Select Signal VTIM Pin	0-3	FIX	0		0		0: V retrace timing, 1: Hsync signal, 2: Vsync signal, 3: don't use
59	AFC		AFC	0-3	FIX	0		0		0: High Gain, 1: Medium Gain, 2: don't use, 3: Extremely low gain
60	REFP		REFP	0,1	FIX	0		0		0: R=20H/G=21H/B=22H, 1: R=23H/G=24H/B=25H
61	VBSW		VLK Width Control	0-3	FIX	0		0		0: 9H from B, 1: 10H from B, 2: 11H from B, 3:12H from B (When JUMP SW=1)
62	BKOF	AP BH3868	ABL Signal Detection Level	0,1	FIX	0		0		0: VTH=3V, 1: VTH=1V
63	AGN2		Aging Mode 2 - Black Output Mode	0,1	FIX	0		0		0: Black Output Mode OFF, 1: Black Output Mode ON
0	SREF		Surround Effect	0-15	FIX	7		7		0: Min, 15: Max (8-15 LOOP=1)
1	BBLP		BBE Low PAss	0-15	FIX	5		5		0: 0.5dB, 15: 10dB
2	BBHP		BBE High Pass	0-15	FIX	3		3		0: 0.5dB, 15: 10dB
3	SVOL		Sub Volume	0-15	FIX	7		7		0:-0 volume steps, 15:-15 volume steps
4	SBAL		Sub Balance	0-15	FIX	7		7		0: +Right, 15:+Left
5	SBAS		Sub Bass	0-15	Fix by model	5	8	5	5	0:-7 steps, 15: +8 steps
6	STRE		Sub Treble	0-15	Fix by model	3	8	3	5	0:-7 steps, 15: +8 steps
0	SPCA	SRS TDA7464	SRS Space Attenuation	0-63	FIX	0		0		0: 0dB, 63: -31dB (1dB steps)
1	CENA		SRS Center Attenuation	0-63	FIX	0		0		0: 0dB, 63: -31dB (1dB steps)
2	INPA		Input Attenuation	0-127	FIX	3		3		0: 0dB, 127: -31.5dB (0.5dB steps)
0	COUT		Chroma Signal Gain / BPF	0-3	FIX	3		3		Input/Output gain=1 / BPF ON
1	YAPS		Y V-Compensation/Peaking	0-3	FIX	3		3		Correctin enabled for digital/analog inputs
2	NSDS		Standard/Non-Standard Processing	0-3	FIX	0		0		Standard adaptive processing
3	MSS		Inter-frame/Inter-line Mode	0-3	FIX	0		0		Adaptive Processing
4	EXAD		External ADC Insert	0,1	FIX	0		0		Internal Y-ADC
5	PECS		Pedestal Error Correction	0-3	FIX	0		0		Standard
6	EXCS		C sync Input	0-3	FIX	1		1		Use CSI
7	CPP		Y ADC Amplitude/Clamp Method	0-3	FIX	0		0		Y-ADC & C-ADC Vtb=1.25V
8	HDP		H Phase Fine Adjustment	0-7	FIX	3		3		Phase +/- 0msec
9	CDL		C Output Delay Fine Adjustment	0-7	FIX	5		5		Y/C Delay +/- 0msec
10	DYCO	3D COMB uPD64082	Y Moving Coring Level	0-15	FIX	2		2		0: Close to moving pictures, 15: Close to still pictures
11	DYGA		Y Moving Coring Gain	0-15	FIX	10		10		0: Close to still Pictures, 15: Close to moving Pictures
12	DCCO		C Moving Coring Level	0-15	FIX	2		2		0: Close to moving pictures, 15: Close to still pictures
13	DCGA		C Moving Coring Gain	0-15	FIX	9		9		0: Close to still Pictures, 15: Close to moving Pictures
14	YNRK		YNR Non-linear Filter Gain	0,1	FIX	1		1		x7/8 large noise reduction and large after image
15	YNRI		YNR Non-linear Filter Convergence	0,1	FIX	0		0		6LSB small noise reduction and small after image
16	YNRL		YNR Non-linear Filter Limit Level	0-3	FIX	1		1		0: YNR Off , 3: 3LSB large noise reduction
17	CNRK		CNR Non-linear Filter Gain	0,1	FIX	1		1		x7/8 large noise reduction and large after image
18	CNRI		CNR Non-linear Filter Convergence	0,1	FIX	0		0		6LSB small noise reduction and small after image
19	CNRL		CNR Non-linear Filter Limit Level	0-3	FIX	1		1		0: CNR OFF , 3: 3LSB large noise reduction
20	ID1O		ID-1 Superimpose Signal	0,1	FIX	0		0		Through, no superimposition
21	ID1W		Specifies bit A1 of Word 0	0,1	FIX	0		0		0: 4x3, 1: 16x9
22	ID1N		Spedifies bit A2 of Word 0	0,1	FIX	0		0		0: normal, 1:letterbox
23	CLK		CLK8 Pin Output	0,1	FIX	1		1		0: Output 8fsc, 1: Output OFF

ADJUSTMENT ITEMS (cont.)

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments
							FV16	FV26	FX260	
24	ST0S	3D COMB 28096Dn	Select ST0 Pin Output Signal	0-3	FIX	1		1		External Y-ADC clamp pulse
25	WSC		Noise Detection Coring	0-3	FIX	1		1		1LSB coring for noise detection circuit
26	VTRH		H-sync Non-Standard Detection Hysteresis	0-3	FIX	1		1		Low hysteresis (2 clock pulses)
27	VTRR		H-sync Non-Standard Detection Sensitivity	0-3	FIX	1		1		Medium sensitivity (+/- 8 clock pulses)
28	LDSR		Frame Sync Non-Std Detection Sensativity	0-3	FIX	2		2		Low sensitivity (1.5 clock pulses)
29	PWRE		Internal ADC Input Range	0,1	FIX	0		0		Same input range on Y-ADC and C-ADC
30	VAPG		Vertical Aperture Compensation Gain	0-7	FIX	4		4		0: Correction OFF, 7: Max Correction
31	VAPI		Vertical Aperture Comp Convergence	0-31	FIX	12		12		0: Correction OFF, 31: Max Correction
32	TEST		Test Bit	0,1	FIX	0		0		Normal Mode
33	YPFT		Y Peaking Filter Center Frequency	0-3	FIX	3		3		4.22 MHz
34	YPFG		Y Peaking Filter Gain	0-15	FIX	7		6		0: -1 gain, 15: 0.875 gain
35	V1PS		Horizontal Dot Supression Level	0-3	FIX	2		2		Medium suppression
36	VEGS		Vertical Dot Supression Level	0-3	FIX	2		2		Medium suppression
37	CC3N		Line Comb C Separation Filter	0,1	FIX	0		0		Narrow bandwidth
38	C0HS		C Signal Delay Time at NR	0,1	FIX	0		0		1H Delay
39	CLPH		Y-ADC Clamp Test Bit	0,1	FIX	0		0		Normal Mode
40	SEL2		DC Detection High Freq Sensativity	0,1	FIX	0		0		Low sensitivity, Close to still pictures
41	SEL1		DY detection Low Freq Sensativity	0,1	FIX	0		0		Low sensitivity, Close to still pictures
42	YHCO		Y High Freq Coring	0-3	FIX	1		0		Small Amount of coring (+/- 1LSB)
43	YHCG		Y High Freq Coring Gain	0,1	FIX	0		0		Gain = 1
44	OVST		Non Standard Detection Test Bit	0,1	FIX	0		0		Normal Mode
45	CSHD		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
46	KCTT		H/V counter Test Bit	0-3	FIX	0		0		Normal Mode
47	SHT		Non Standard Detection Test Bits	0,1	FIX	0		0		Normal Mode
48	VCT		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
49	OTT		H/V counter Test Bit	0,1	FIX	0		0		Normal Mode
50	CL2D		Clock Generator Test Bit	0,1	FIX	1		1		Normal Mode
51	CGGT		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
52	CLEB		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
53	CGT		Clock Generator Test Bit	0,1	FIX	0		0		Normal Mode
54	HPLL		Horizontal PLL Filter	0,1	FIX	1		1		Quick convergence
55	BPLL		Burst PLL Filter	0,1	FIX	1		1		Quick convergence
56	FSCF		Burst Extraction Gain	0,1	FIX	0		0		High gain
57	PLL F		PLL Loop Gain	0,1	FIX	1		1		High gain, quick convergence
58	KILR		Killer Detection Reference	0-15	FIX	3		3		0: Detection off, 15: High detection sensitivity
59	HSSL		Horizontal Sync Slice Level	0-15	FIX	12		12		0: 4LSB, 15: 19LSB
60	VSSL		Vertical Sync Slice Level	0-15	FIX	8		8		0: HSSL + 0LSB, 15: HSSL + 15LSB
61	BGPS		Burst Gate Start Position	0-15	FIX	5		5		0: Hsync center + 2ms, 15: Hsync center +5.75ms
62	BGPW		Internal Burst Gate Pulse Width	0-15	FIX	10		10		0: 0.5ms, 15: 4.25ms
63	ADCL		ADC Clock Delay	0-3	FIX	3		3		0: 0ns, 3: 20.5ns (typical)
64	ADPD		ADC Power Down	0,1	FIX	1		1		Stop ADC when not in use
65	NSDW		Non Standard Detection Test Bit	0,1	FIX	0		0		Normal Mode
66	CNRF		CNR Section Test Bit	0,1	FIX	0		0		Normal Mode
0	SHPR	PIC IMP TA226N	Controls both DL APACON and SRT	0-127	Fix by Model	52		52		0: Minimum, 127: Maximum
1	BLAD		Black Area Detect	0-3	FIX	0		0		0: 10IRE, 1: 20IRE, 2: 30IRE, 3: 40IRE
2	SRTS		SRT Start Amplitude	0-3	FIX	3		3		0: 7IRE, 1: 10IRE, 2: 14IRE, 3: 28IRE
3	YNR		Controls YNR ON/OFF	0,1	FIX	1		1		YNR ON
4	GIRE		Gamma Correction Start Point	0-3	FIX	3		3		0: 70IRE, 1: 80IRE, 2: 90IRE, 3: OFF
5	DAC1		1 bit DAC Output	0,1	FIX	0		0		Open
6	DAC2		1 bit DAC Output	0,1	FIX	0		0		Open

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments
							FV16	FV26	FX260	
7	GCUR	PIC IMP TA1226N	Controls Curve of Gamma Correction	0,1	FIX	0		0		0: -2.4dB, -1.6dB
8	BLKC		Black Compensation	0,1	FIX	1		1		OFF
9	TEST		Test Bit	0-3	FIX	3		3		Pin 20 Output: 0=RS, 1=SHR, 2=RTC, 3=TEST3
10	RS		Gain of DL APACon at 8MHz Peak	0-7	FIX	0		0		0: 0dB, 7: +6dB
11	RTC		Compensation Ratio of SRT and DL APACon	0-7	FIX	4		4		0: Min, 7: Max
12	VMLO		Gain for Menu VM=LOW	0-2	FIX	1		1		0=off, 1=-6dB, 2=-3dB, 3=0dB
0	PIPH	PIP SDA9588X	PIP H-position	0-127	FIX	34		34		0:Right, 127:Left
1	PIPV		PIP V-position	0-63	FIX	22		22		0:Up, 63:Down
2	POFV		Position Offset Vertical	0-15	FIX	4		4		Vertical PIP Offset from Center
3	POFH		Position Offset Horizontal	0-31	FIX	17		17		Horizontal PIP Offset from Center
4	VACQ		PIP V-Acquisition Window	0-15	FIX	8		8		0: -8 lines up, 8: Center, 15: +7 pixels down
5	HACQ		PIP H-Acquisition Window	0-15	FIX	8		8		0: -16 pixels right, 8: Center, 15: +14 pixels left
6	PVID		PIP Vsync Delay	0-31	FIX	0		0		Step size 3.56ms< 1 step < 6.4ms
7	VERB		Vertical Blanking	0,1	FIX	0		0		0: DAC Blanking during line blanking interval, 1: DAC Blanking during line AND field intervals
8	PSEL		SELDOWN Bit Control	0,1	FIX	1		1		0:Open out, 1:TTL out
9	SELD		Select PYS Delay	0-15	FIX	8		8		0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
10	4SLD		Select PYS Delay YUV Input	0-15	FIX	8		8		0: -8 clock cycles, 8: NO delay, 15: +7 clock cycles
11	PCOR		Position Correction	0,1	FIX	1		1		0: OFF, 1: ON (Position correction during varying parent frequency)
12	AGCR		AGC Gain Control Reset	0,1	FIX	1		1		0: Normal, 1: Reset (transition of 0->1 resets AGC)
13	AGCM		AGC Mode	0-3	FIX	0		3		0: Sync height & ADC Overflow, 1: sync height, 2: ADC overflow, 3: AGC Fixed
14	AGCV		ADC Value	0-15	FIX	11		9		0: Input valtage 0.5Vpp, 15: Input Voltage is 1.5Vpp
15	CLMD		Clamp Pulse Duration	0-3	FIX	3		3		0: 0.5ms, 1: 0.9ms, 2: 1.2ms, 3: 1.5ms
16	CLMS		Clamp Pulse Start	0-3	FIX	2		2		0: 1.0ms, 1: 1.5ms, 2: 2.0ms, 3: 2.5ms
17	LMOF		Luminance Offset	0-3	FIX	3		3		0: NO OFFSET, 1: +16LSB, 2: -8LSB, 3: -16LSB
18	PYDL		Y/C Delay	0-15	FIX	8		2		0: -8 pixels, 15: +7 pixels
19	FRMY	PIP-YC SDA9588X	Frame Y Level	0-15	Fix by Model	6		5		Adjusts 4 MSB of Frame Y Signal
20	FRSL		Frame Type Select	0,1	FIX	1		1		0: Normal frame, 1: 3D frame
21	FRWH		Frame Width Horizontal	0-7	FIX	4		4		0: No frame, 7: 7 pixels
22	FRWV		Frame Width Vertical	0-3	FIX	1		1		0: No frame, 3: 3 lines
23	PBSW		PIP Block Selection (PIPBG vs PIPBLK)	0,1	FIX	0		1		Blocking Type: 0= PIPBG(gray), 1=PIPBLK(black)
0	CKIL		Color Killer Threshold	0-3	FIX	0		0		0: -30dB, 1: -18dB, 2: -24dB, 3: color always off
1	COLO		Color Killer Off	0,1	FIX	0		0		0: Color killer active, 1: Color always on
2	PSHU		PIP Sub Hue	0-15	FIX	7		7		PIP sub hue
3	4PSU		PIP Sub Hue YUV Input	0-15	FIX	7		7		PIP sub hue
4	CPLL		Chroma PLL Off	0,1	FIX	0		0		0: Chroma PLL active, 1: Chroma PLL free running
5	SCAD		Sub Carrier Freq Fine Adjustment	0-31	FIX	5		6		0: -150 PPM, 7: default, 31: +310 PPM
6	PCON		PIP Contrast	0-15	FIX	0		0		0: nominal, 15: +30% increase
7	4PCN		PIP Contrast YUV Input	0-15	FIX	0		0		0: nominal, 15: +30% increase
8	PBRT		PIP Brightness	0-15	FIX	0		0		0: nominal, 15: +20% increase
9	4PBR		PIP Brightness YUV Input	0-15	FIX	0		0		0: nominal, 15: +20% increase
10	IPER		V Pedestal	0-15	FIX	0		0		0: nominal, 15: +15LSB offset
11	4IPR		V Pedestal YUV Input	0-15	FIX	4		0		0: nominal, 15: +15LSB offset
12	IPEG		Y Pedestal	0-15	FIX	0		0		0: nominal, 15: +15LSB offset
13	4IPG		Y Pedestal YUV Input	0-15	FIX	0		0		0: nominal, 15: +15LSB offset
14	IPEB		U Pedestal	0-15	FIX	1		1		0: nominal, 15: +15LSB offset
15	4IPB		U Pedestal YUV Input	0-15	FIX	1		1		0: nominal, 15: +15LSB offset
16	BLKR		Invert V Pedestal	0,1	FIX	1		0		0: Offset add during blanking, 1: Offset add during active
17	BLKB		Invert U Pedestal	0,1	FIX	0		1		0: Offset add during blanking, 1: Offset add during active
18	PVGA		Peak Level V Output	0-255	FIX	84		84		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp
19	4PVG		Peak Level V Output YUV Input	0-255	FIX	69		69		0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp

ADJUSTMENT ITEMS (cont.)

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments			
							FV16	FV26	FX260				
20	PUGA	PIP-YC SDA9588X	Peak Level U Output	0-255	FIX	52	52			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp			
21	4PUG		Peak Level U Output YUV Input	0-255	FIX	36	36			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp			
22	PYGA		Peak Level Y Output	0-255	Fix by Model	104	125			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp			
23	4PYG		Peak Level Y Output YUV Input	0-255	Fix by Model	129	135			0: 0.3Vpp, 192: 1.0Vpp, 255: 1.2Vpp			
24	CHRO		UV Output Polarity	0,1	FIX	0	0			0: +U/+V output, 1: -U/-V output			
25	SATA		Color Saturation Adjustment	0-15	FIX	8	9			0: No color, 8: nominal saturation, 15: nominal x 1.875			
26	YPKG		Y Peaking Adjustment	0-7	FIX	7	7			0: No peaking, 7: Strongest Peaking			
27	4YPK		Y Peaking Adjustment YUV Input	0-7	FIX	7	7			0: No peaking, 7: Strongest Peaking			
28	YCOR		Y Coring Enable	0,1	FIX	1	1			0: OFF, 1: ON			
29	CLPL	Clamp Pulse Length	0-3	FIX	0	0			0=5ms, 1=3.75ms, 2=2.5ms, 3=1.25ms				
0	RTCO	DAC CXA1315	Rotation Coil	0-63	FIX	31	31			Rotation coil adjustment for nominal value			
1	T2CO		Sub Color TV Input	0-7	Adj	120	102			TV Sub Color Adjustment (CXA2039 YUV Models AT DAC)			
2	V2CO		Sub Color Video Input	0-7	Adj	120	148			VIDEO1-3 Sub Color Adjustment (CXA2039 YUV Models at DAC)			
3	4COL		Sub Color YUV Input	0-7	Adj	120	145			YUV Sub Color Adjustment (CXA2039 YUV Models at DAC)			
4	T2HU		Sub Hue TV Input	0-7	Adj	15	16			TV Sub HUE Adjustment (CXA2039 YUV Models at DAC)			
5	V2HU		Sub Hue Video Input	0-7	Adj	15	19			VIDEO1-3 Sub HUE Adjustment (CXA2039 YUV Models at DAC)			
6	4SHU		Sub Hue YUV Input	0-7	Adj	15	16			YUV Sub HUE Adjustment (CXA2039 YUV Models at DAC)			
0	XJGL	ID1	Decoding Result Held For VCR Scanning	0,1	FIX	0	0			Hold data during VCR variable speed playback			
1	LNJ1	CXD2085	ID-1 Signal Location	0,1	FIX	0	0			Search for ID-1 data +/- one line in VBI			
0	DUM1	CCD	CCD Dummy Register							Used to display CC data in Service Mode			
1	VOSD		VChip OSD Test Register	0,1	FIX	0	0			Used to display VChip data in Service Mode			
0	DISP	OP M306V5	OSD Position	0-63	Adj	15	17			OSD horizontal position			
1	RAMW		OSD RAM Window	0,1	FIX	0	0						
2	ICMP		OSD Non-interlace Threshold	0-15	FIX	4	4			0: 0 fields, 15: 15 fields			
3	IPOR		OSD Non-interlace Even/Odd Display	0-3	Fix	1	1			0=Even OSD display, 1= Odd OSD display, 2&3=N/A			
4	FAWD		Factory AutoWide Mode	0,1	Fix	0	0			0= No Autowide in RF mode, 1= Autowide in RF Mode			
5	TILT		Tilt Correction Spec	0,1	Fix	0	2			0= New Tilt Spec for AA2U (less VANG offset), 1= AA2W/AA2H Tilt Spec			
		PROGRAM PALETTE	PROGRAM FOR EACH PALETTE MODE						VIVID	STD	MOVIE	SPORTS	
0	VPIC		Set Current Program Palette PICTURE Reset Level	0-63	FIX by Palette	50		63	50	38	63	0=MIN, 63=MAX	
1	VBRT		Set Current Program Palette BRIGHTNESS Reset Level	0-63	FIX by Palette	31		31	31	31	31	0=MIN, 63=MAX	
2	VCOL		Set Current Program Palette COLOR Reset Level	0-63	FIX by Palette	31		38	31	31	38	0=MIN, 63=MAX	
3	VSHP		Set Current Program Palette SHARPNESS Reset Level	0-63	FIX by Palette	31		31	31	31	31	0=MIN, 63=MAX	
4	VVM		Set Current Program Palette VM Reset Level	0-3	FIX by Palette	1		2	1	0	2	0=OFF, 1=LOW, 2=HIGH, 3=N/A	
5	VTRI		Set Current Program Palette Color Temp Reset Setting	0-3	FIX by Palette	1		0	1	2	0	0=COOL, 1=NEUTRAL, 2=WARM, 3=N/A	
6	VGMA		Set Current Program Palette YC/J GAMMA	0-3	FIX by Palette	2		3	2	2	2	0=GAMMA CORRECTION OFF, 3=+12 IRE CORRECTION @ 40 IRE INPUT	
7	VBLK		Set Current Program Palette Black Stretch	0,1	FIX by Palette	1		1	1	1	1	0=BLACK STRETCH OFF, 1=BLACK STRETCH ON	
8	VAPA		Set Current Program Palette APACON	0,1	FIX by Palette	1		0	1	1	1	0=APACON OFF, 1=APACON ON	
9	VSRT		Set Current Program Palette SRT	0,1	FIX by Palette	0		1	0	0	0	0=SRT OFF, 1=SRT ON	
10	VNRM	Set Current Program Palette NRMD	0,1	FIX by Palette	0	0		0	0	1	0=3D YCS, 1=2D YCS		
0	RDOF	WARM COLOR TEMP OFFSET	Red Drive offset for WARM	0-63	FIX	0	0			Red Drive MOVIE=RDRV(RDR4)-RDOF			
1	GDOF		Green Drive offset for WARM	0-63	FIX	4	4			Green Drive MOVIE=GDRV(GDR4)-GDOF			
2	BDOF		Blue Drive offset for WARM	0-63	FIX	15	15			Blue Drive MOVIE=BDRV(BDR4)-BDOF			
3	RCOF		Red Cutoff offset for WARM	0-31	FIX	0	0			Red Cutoff MOVIE=RCUT(RCU4)-RCOF			
4	GCOF		Green Cutoff offset for WARM	0-31	FIX	2	2			GREEN Cutoff MOVIE=GCUT(GCU4)-GCOF			
5	BCOF		Blue Cutoff offset for WARM	0-31	FIX	7	7			BLUE Cutoff MOVIE=BCUT(BCU4)-BCOF			
6	DCOF		Dynamic Color setting for WARM	0,1	FIX	0	0			0=OFF, 1=ON			

	Register Name		Description	Data Range	Adj/Fix	Initial Data	32"			Comments
							FV16	FV26	FX260	
0	ID-0	ID MAP	ID-0 (Language/Color Systems)	0-255	Fix by model	89	<i>refer to NVM ID Chart</i>			See ID map
1	ID-1		ID-1 (Input/Output Conifguration)	0-255	Fix by model	63				See ID map
2	ID-2		ID-2 (Audio)	0-255	Fix by model	239				See ID map
3	ID-3		ID-3 (OSD/Timer/V-chip/Ch Fix)	0-255	Fix by model	99				See ID map
4	ID-4		ID-4 (CC/Spot Killer/etc)	0-255	Fix by model	139				See ID map
5	ID-5		ID-5 (V-series Features/etc)	0-255	Fix by model	181				See ID map
6	ID-6		ID-6 (PIP/Ant Sw related)	0-255	Fix by model	6				See ID map
7	ID-7		ID-7 (Special Models/etc)	0-255	Fix by model	24				See ID map

VALUE = Not Used for AA-2U
 VALUE = Fixed Item For AA-2U

4-5. FEATURE ID MAP

ID	7	24	SERVICE
ID7	TV	00011000	
M306V5ME-1015P NVM:G			
VERSION: 1.0__			

Note: Check to be sure NVM is good (NVM: G)

Model	Destination	ID-0	ID-1	ID-2	ID-3	ID-4	ID-5	ID-6	ID-7
KV-32FV16	US	89	63	239	99	139	181	6	17
KV-32FV26	US	89	63	239	99	139	181	6	24
KV-32FV26	CND	89	63	239	83	139	181	6	24
KV-34FV16	E	25	63	239	195	187	181	6	81
KV-34FV16C	E	25	63	239	195	187	181	6	81
KV-34FX260	E	25	63	239	195	187	181	6	88
KV-34FX260C	E	25	63	239	195	187	181	6	88

4-6. PROGRAM PALETTE SETTINGS

		Vivid	Standard	Movie	Sports
Picture	(VPIC)	63	50	38	63
Brightness	(VBRT)	31	31	31	31
Color	(VCOL)	38	31	31	38
Sharpness	(VSHP)	31	31	31	31
VM ¹⁾	(VVM)	2	1	0	2
C Temp ¹⁾	(VTRI)	0	1	2	0
Gamma	(VGMA)	3	2	2	2
Blk Comp	(VBLK)	1	1	1	1
V Apa Comp	(VAPA)	0	1	1	1
SRT ON/OFF	(VSRT)	1	0	0	0
NRMD	(VNRM)	0	0	0	1

¹⁾ Setting of 3 is invalid for these registers

To Program Program Palette RESET Levels

1. Switch to Program Palette to edit.
2. Enter Service Mode.
3. Set desired values for current Program Palette settings.
4. Write into memory by **[MUTING]** then **[ENTER]**.
5. Repeat steps 1-4 for each palette.

Example

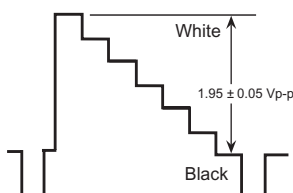
To Set RESET Level of Standard Mode to 60%

1. Switch to STANDARD Palette.
2. Enter Service Mode.
3. Change value of VPIC to 38 ($38/63 = 60\%$).
4. Write into memory by **[MUTING]** then **[ENTER]**.
5. Enter Video Menu and press **[RESET]**.
6. Reset level of picture for STANDARD PALETTE ONLY is now 38 steps.

4-7. A BOARD ADJUSTMENTS

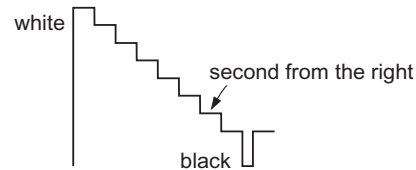
Sub Contrast Adjustment (RDRV, RDR4)

1. Input a 75% color-bar signal.
2. Set to: VIDEO mode = Standard, COLOR = Minimum, PICTURE = 100%, GON = 0 (OFF), BON = 0 (OFF).
3. Set to Service Adjustment Mode and connect an oscilloscope to pin ① of CN351 on the A Board.
4. Set RDRV with **[1]** and **[4]**.
5. Adjust with **[3]** and **[6]** for: 1.95 ± 0.05 Vp-p.
6. Write into memory by **[MUTING]** then **[ENTER]**.
7. Repeat steps 1-6 for RDR4 using Video 4 input.



Sub Bright Adjustment (SBRT)

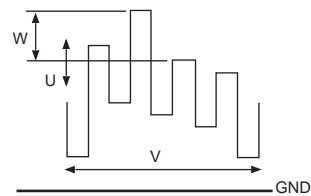
1. Set to Service Adjustment Mode.
2. Input a gray scale pattern signal.
3. Set the PICTURE to minimum, and BRIGHT to normal.
4. Select SBRT with **[1]** and **[4]**.
5. Adjust SUB BRIGHT level with **[3]** and **[6]** so that the stripe second from the right is faintly visible.
6. Write into the memory by pressing **[MUTING]** then **[ENTER]**.



Sub Hue, Sub Color Adjustment (T2HU, T2CO, V2HU, V2CO, 4SHU, 4COL)

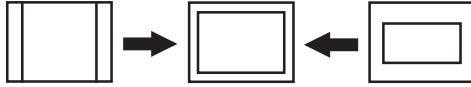
Note: T2HU and T2CO are for Tuner inputs.
V2HU and V2CO are for all other Video inputs.
4SHU and 4COL are for Video 4 input.

1. Input a 75% color-bar signal.
2. Set to Service Adjustment Mode and set: VIDEO mode = Standard, PICTURE = 100%, COLOR = 50%, HUE = 50%.
3. Connect an oscilloscope to Pin ③ of CN351 Blue Out on the A Board.
4. Select T2HU and T2CO with **[1]** and **[4]**.
5. Adjust with **[3]** and **[6]** for flat ± 50 mV.
6. Write into memory by **[MUTING]** then **[ENTER]**.
7. Repeat steps 1-6 for V2HU & V2CO and 4SHU & 4COL.

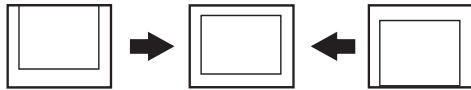


V. Size Adjustment (VSIZ)

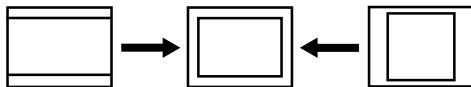
1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VSIZ with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best vertical size.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]**.

**V. Position Adjustment (VPOS)**

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VPOS with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best vertical center.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]**.

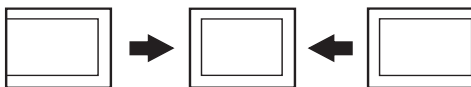
**H. Size Adjustment (HSIZ)**

1. Input a monoscope signal.
2. Set to Service Adjustment Mode.
3. Select HSIZ with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best vertical size.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]**.

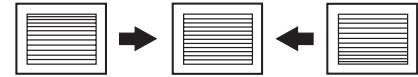
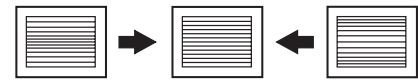
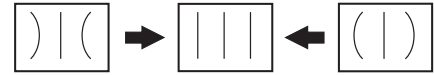
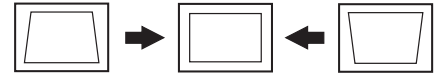
**H. Position Adjustment (HPOS)**

HPOS Range is from 0~15.

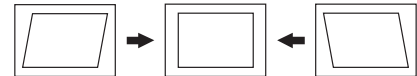
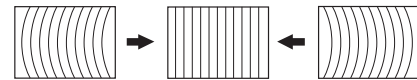
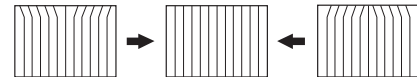
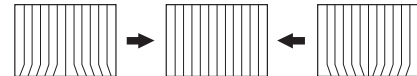
1. Input a monoscope signal.
2. Set the Service Adjustment Mode.
3. Select HPOS with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best horizontal center.
5. Write into the memory by pressing **[MUTING]** then **[ENTER]**.

**V Linearity (VLIN), V Correction (VSCO), Pin Amp (PAMP) And Pin Phase (PPHA) Adjustments**

1. Input a cross-hatch signal.
2. Set to Service Adjustment Mode.
3. Select VLIN, VSCO, PAMP, and PPHA with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best picture.
5. Write the memory by pressing **[MUTING]** then **[ENTER]**.

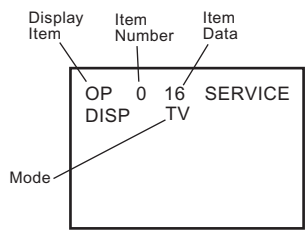
V LINEARITY (VLIN)**VS CORRECTION (VSCO)****PIN AMP (PAMP)****PIN PHASE (PPHA)****V Angle (VANG), V Bow (VBOW), Upper Pin (UPIN) And Low Pin (LPIN) Adjustments**

1. Input a monoscope signal.
2. Set to Service Adjustment Mode.
3. Select VANG, VBOW, UPIN, and LPIN with **[1]** and **[4]**.
4. Adjust with **[3]** and **[6]** for the best picture.
5. Write the memory by pressing **[MUTING]** then **[ENTER]**.

V ANGLE (VANG)**V BOW (VBOW)****UPPER PIN (UPIN)****LOW PIN (LPIN)**

OSD Position Adjustment (DISP)

- 1. Input a color-bar signal.
- 2. Set to Service Adjustment Mode.
- 3. Select DISP with [1] and [4].
- 4. Adjust with [3] and [6] for adjustment of characters to center.
- 5. Write the memory by pressing [MUTING] then [ENTER].

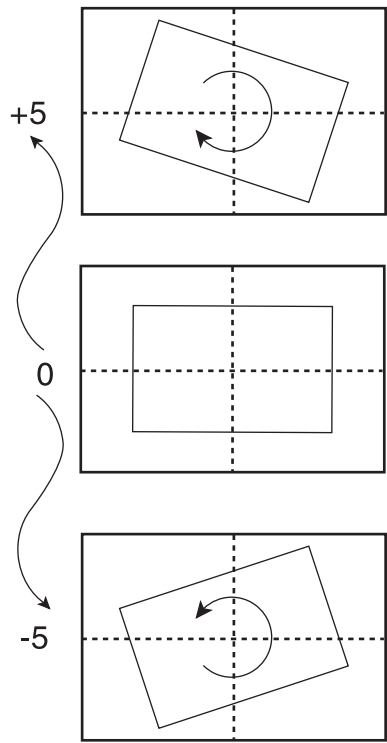


Rotation Coil Adjustment

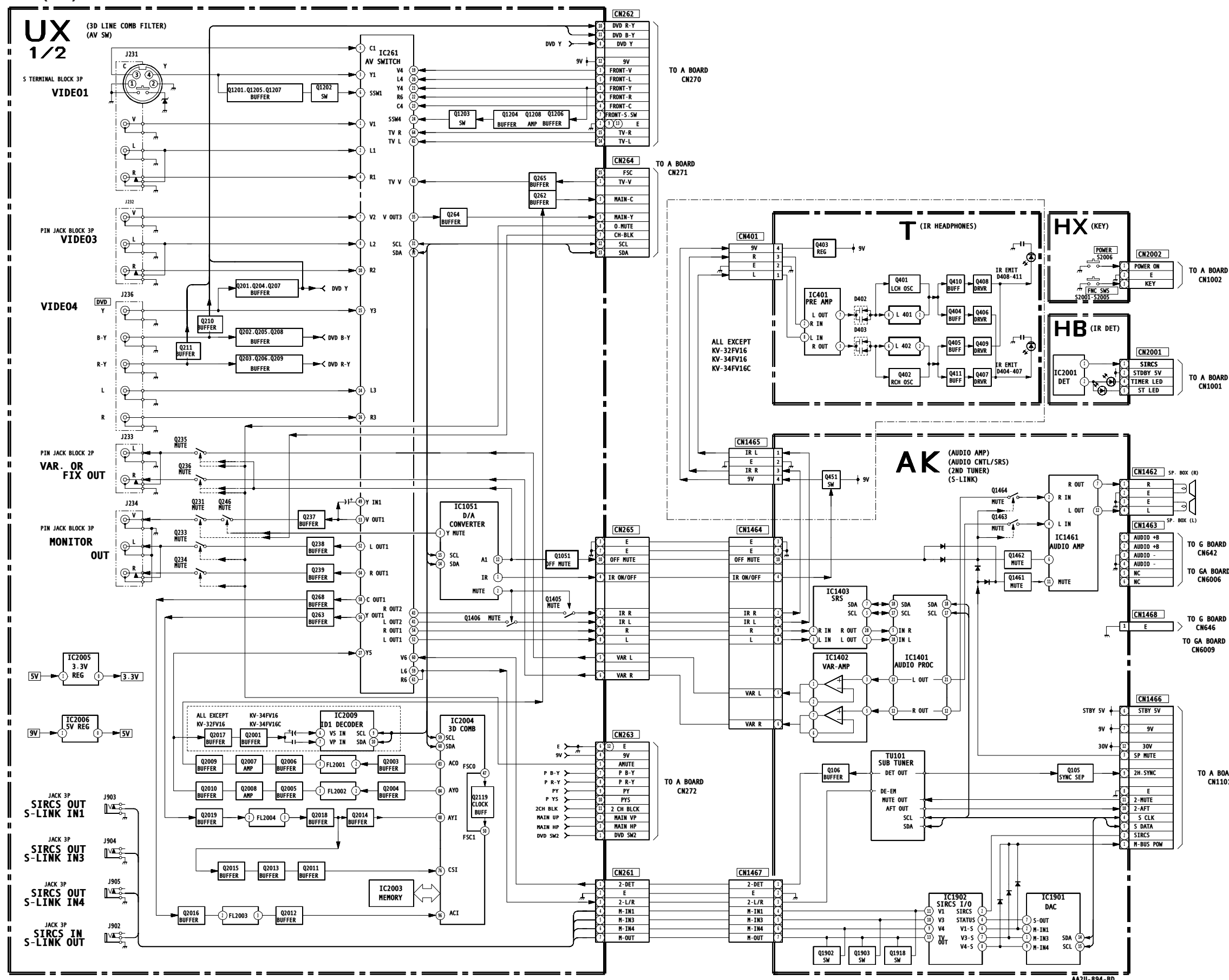
- 1. Input a monoscope signal.
- 2. Push the Menu button on the Remote.
- 3. Select the "Set-up" mode.
- 4. Select "Tilt Correction". Confirm that number (0) color changes to red.
- 5. Push ↑ (+) on the Remote. Confirm that the number increases up to +5 and the picture rotates clockwise.
- 6. Push ↓ (-) on the Remote. Confirm that the number decreases down to -5 and the picture rotates counter-clockwise.
- 7. Push ↑ (+) on the Remote. Return the value to 0.

Set-Up

- ☐ Channel Set-up
- ☐ Favorite Channel
- ☐ Video Label
- ☐ Language: English
- ☒ Tilt Correction:
 ↻ Menu

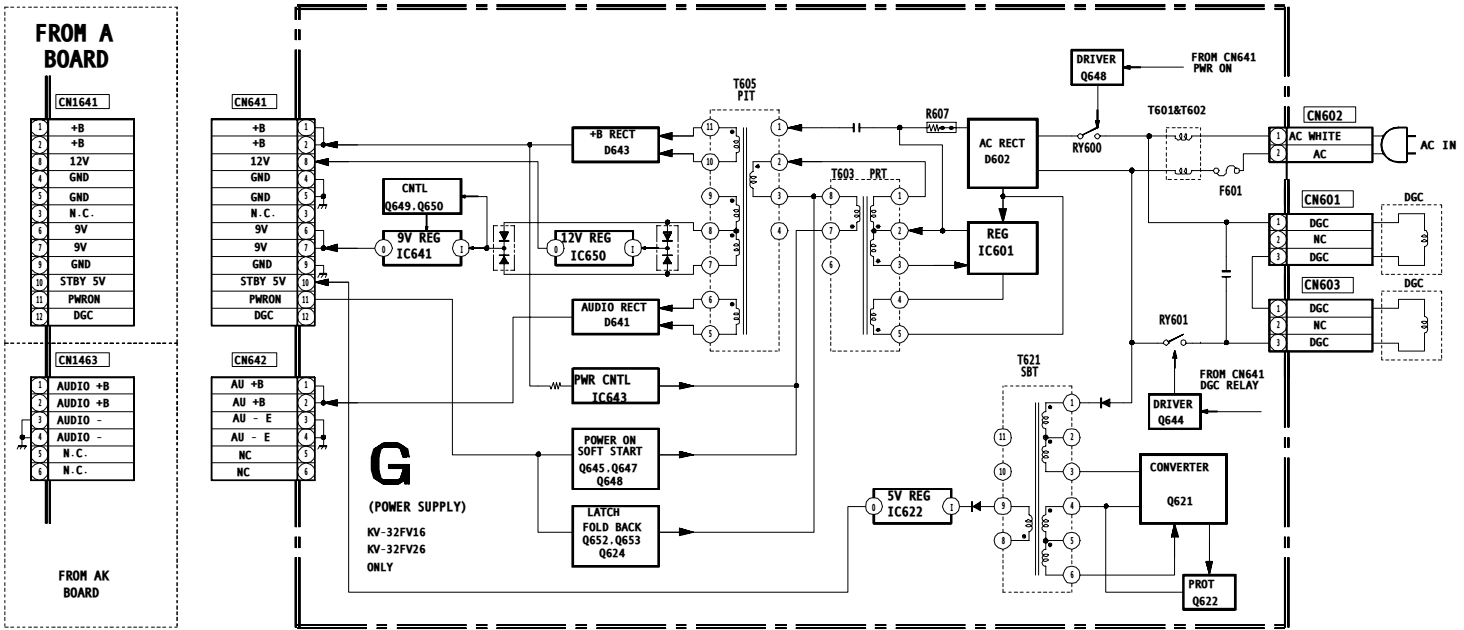
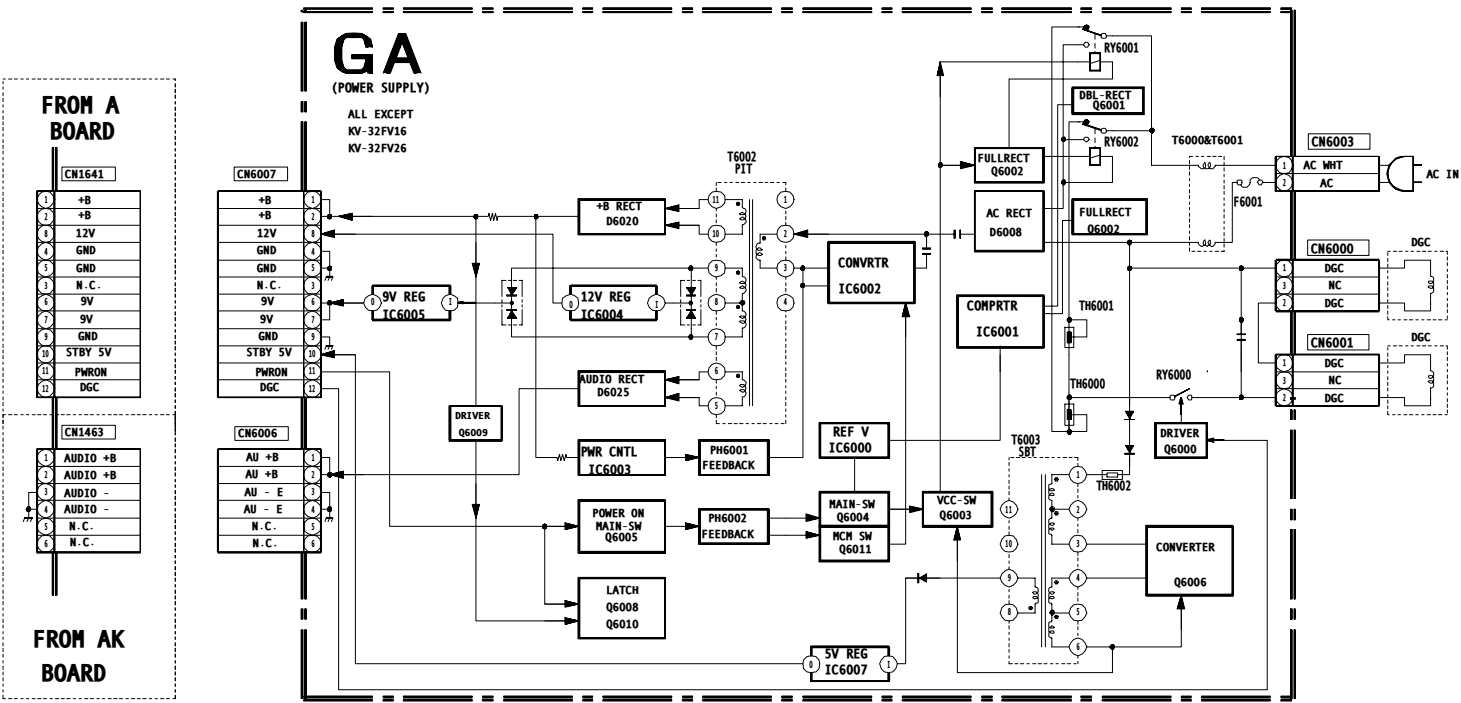


5-1. BLOCK DIAGRAM (1/4)

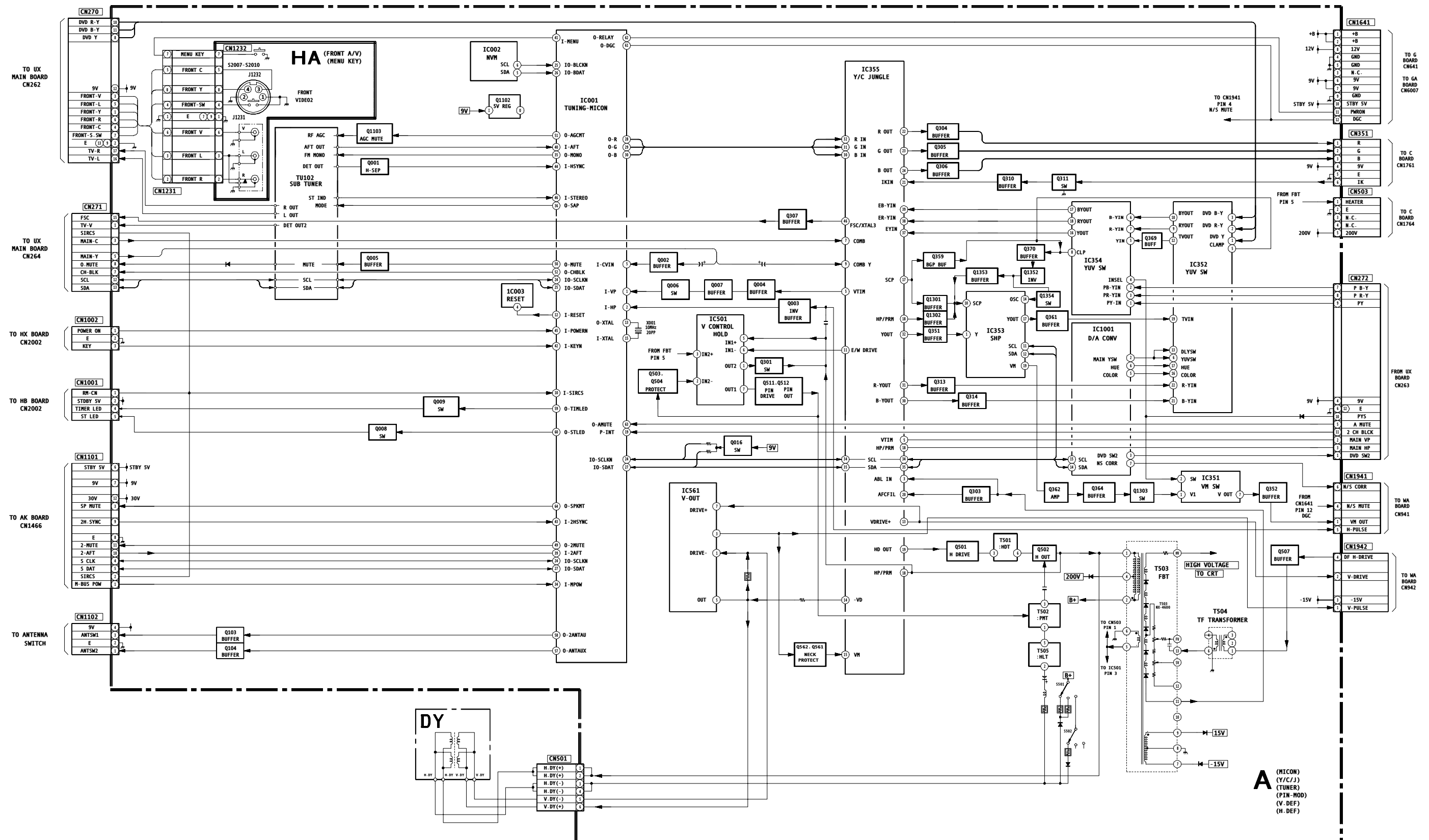


AA2U-894-B

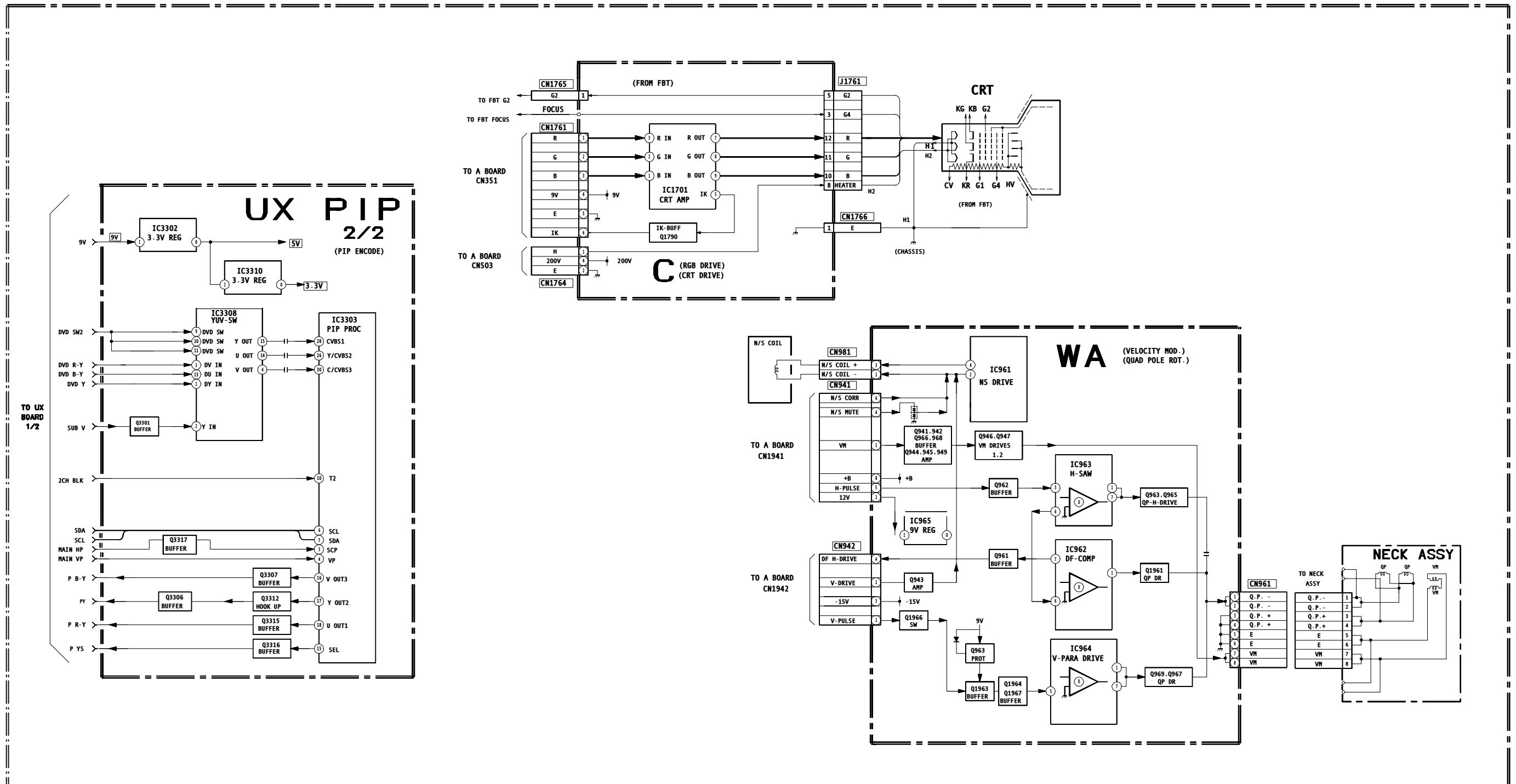
BLOCK DIAGRAM (2/4)



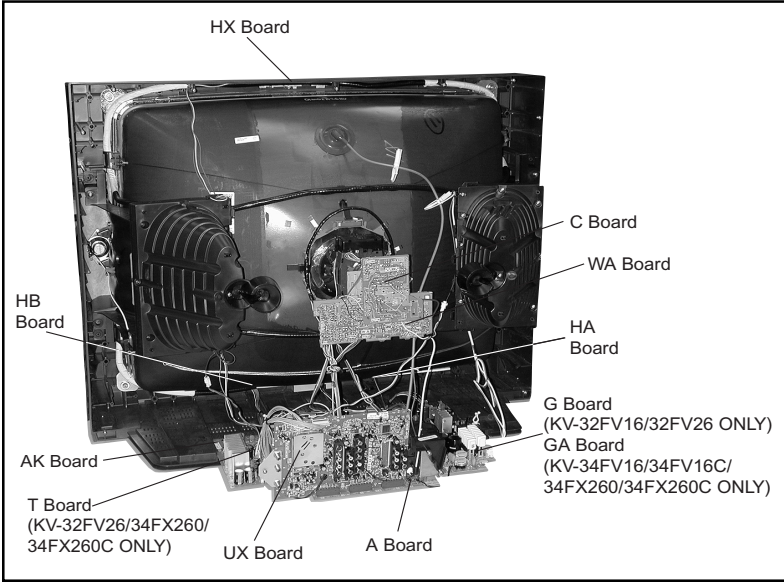
BLOCK DIAGRAM (3/4)



BLOCK DIAGRAM (4/4)



5-2. CIRCUIT BOARD LOCATIONS



5-3. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

- All capacitors are in mF unless otherwise noted. pF: mmF 50 WV or less are not indicated except for electrolytic and tantalums.
- All electrolytics are 50V unless otherwise specified.
- Indication of resistance, which does not have one for rating electrical power, is as follows:
Pitch: 5mm
Rating electrical power 1/4W (CHIP: 1/10W)
- All resistors are in ohms.
KW = 1000W MW = 1000KW
- : nonflammable resistor
- : fusible resistor
- : internal component
- : panel designation and adjustment for repair
- : earth-ground
- : earth-chassis
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved (refer to Safety Related Adjustments on page 14).
- When replacing parts shown in the table below, be sure to perform the related adjustments.

Part Replaced ()	Adjustment ()
R387, R550, R529, R530, R531, R532, R533, D519, D520, D521, IC501, C531, C532, T503, IC351, IC355, D302, Q301, R356, R359, R361, A Board	HV HOLD-DOWN R530, R531
IC643, R661 G Board	
IC6003, R6008 GA Board	

- All voltages are in Volts
- Voltage is DC with respect to ground unless otherwise noted.
- Readings are taken with a 10MW digital multimeter.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerance.
- Circled numbers are waveform references.
- * : cannot be measured
- : B + Line
- : B - Line
- : Signal path

Reference Information

RESISTOR	:	RN	METAL FILM
	:	RC	SOLID
	:	FPRD	NON FLAMMABLE CARBON
	:	FUSE	NON FLAMMABLE FUSIBLE
	:	RW	NON FLAMMABLE WIREWOUND
	:	RS	NON FLAMMABLE METAL OXIDE
	:	RB	NON FLAMMABLE CEMENT
	:		ADJUSTMENT RESISTOR
COIL	:	LF-8L	MICRO INDUCTOR
CAPACITOR	:	TA	TANTALUM
	:	PS	STYROL
	:	PP	POLYPROPYLENE
	:	PT	MYLAR
	:	MPS	METALIZED POLYESTER
	:	MPP	METALIZED POLYPROPYLENE
	:	ALB	BIPOLAR
	:	ALT	HIGH TEMPERATURE
	:	ALR	HIGH RIPPLE

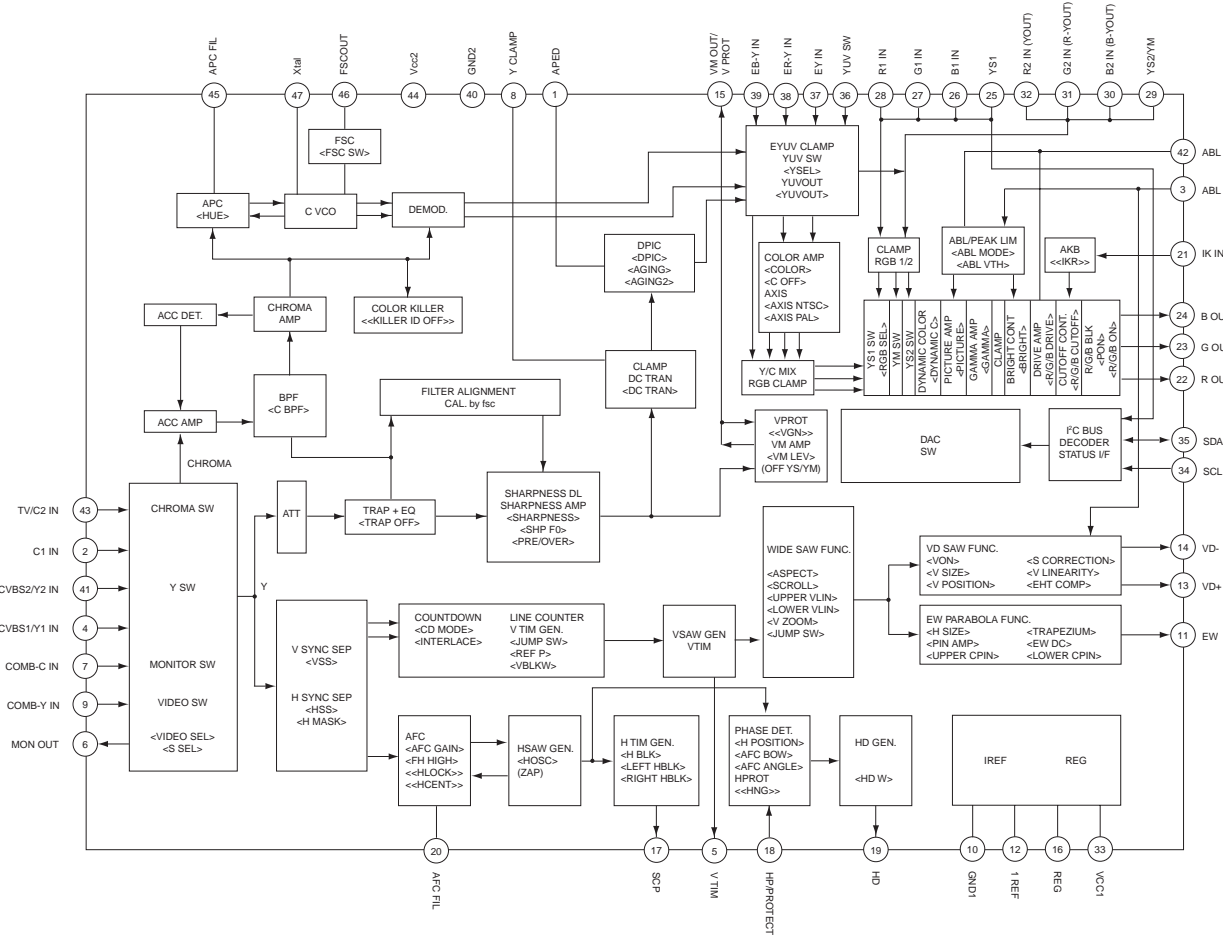
Note:

The components identified by shading and mark are critical for safety. Replace only with the part number specified. The symbol (displayed on component side of the circuit board) indicates fast operating fuse. Replace only with fuse of the same rating as marked.

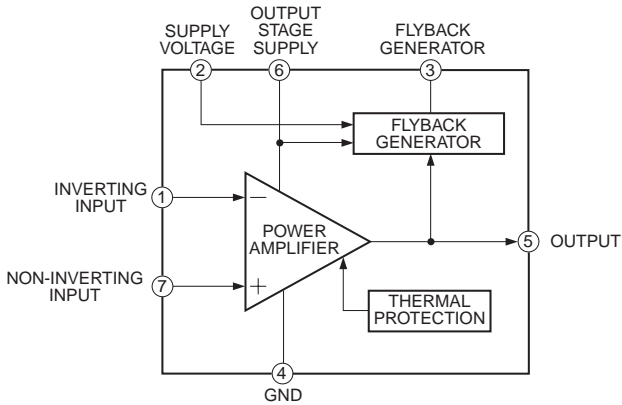
Les composants identifiés per un tramé et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. Le symbole indique une fusible a action rapide. Doit etre remplacee par une fusible de meme yaleur, comme marque.

A BOARD IC BLOCK DIAGRAMS

A BOARD: IC355 CXA2131CS

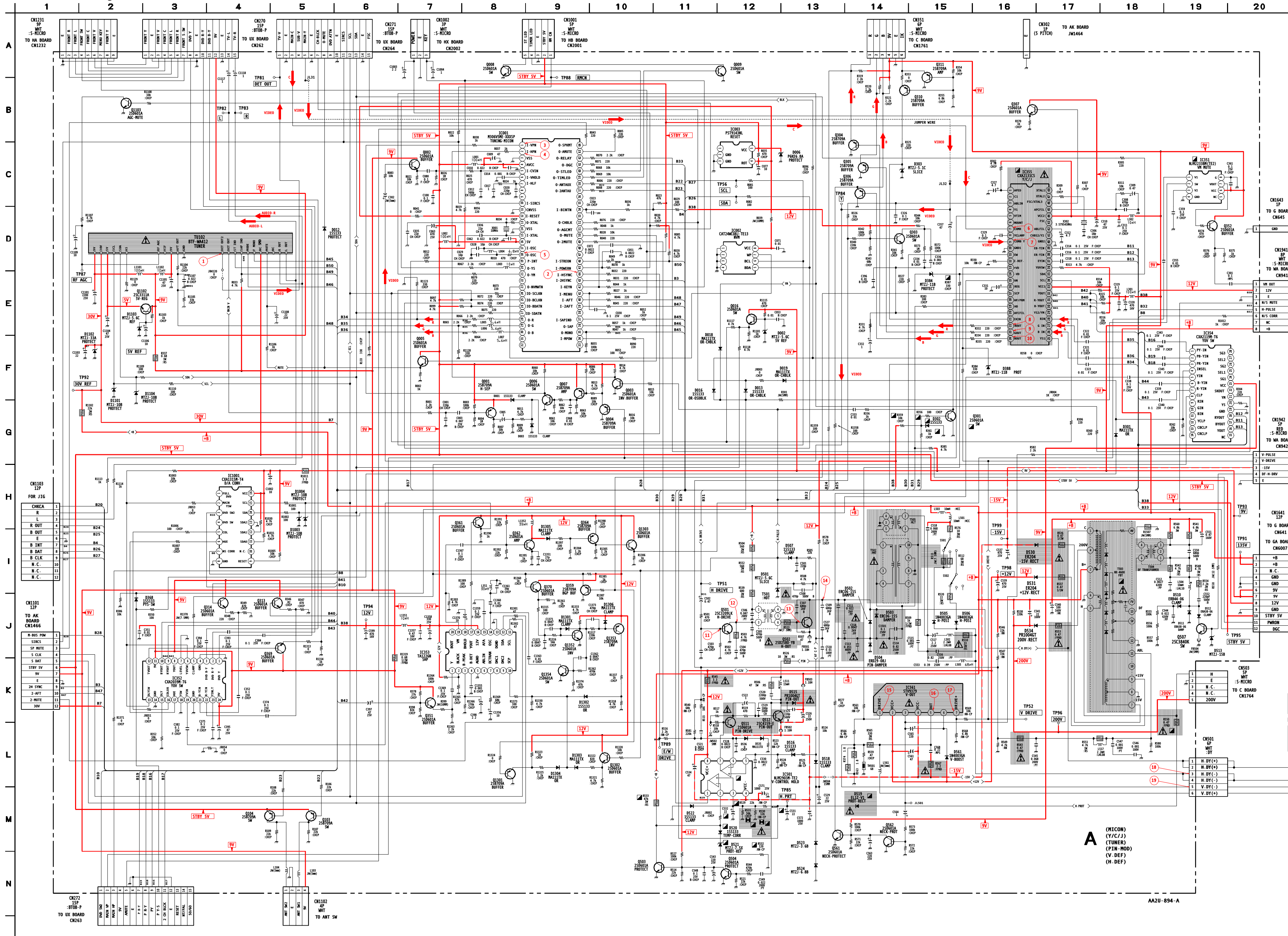


A BOARD: IC561 STV9379



DIODE		IC351	C-9
D001	A-4	IC352	D-10
D002	D-2	IC353	C-10
D003	A-5	IC354	C-10
D005	C-3	IC355	D-6
D006		IC501	F-2
D012	C-1	IC561	G-6
D013	B-5	IC1001	D-8
D016	C-4	TRANSISTOR	
D018	C-5	Q001	A-5
D019	C-8	Q002	C-4
D301	C-7	Q003	H-1
D302	E-2	Q004	G-1
D303	D-4	Q005	A-3
D368	C-6	Q006	H-1
D384	D-5	Q007	H-1
D388	D-5	Q008	D-10
D501	H-2	Q009	D-10
D502	H-8	Q016	D-2
D503	H-8	Q103	B-8
D504	I-7	Q104	B-7
D505	H-5	Q301	E-3
D506	H-5	Q303	D-6
D507	H-2	Q304	D-4
D510	F-7	Q305	D-4
D511	E-8	Q306	D-4
D512	F-8	Q307	C-6
D513	E-8	Q310	D-4
D515	G-3	Q311	D-3
D516	G-2	Q313	D-10
D518	H-3	Q314	D-9
D519	F-8	Q351	D-10
D520	F-2	Q352	B-9
D521	F-2	Q359	D-12
D522	F-2	Q361	D-10
D523	H-2	Q362	E-11
D524	H-2	Q364	E-12
D530	G-8	Q369	D-9
D531	F-8	Q370	D-11
D534	G-7	Q501	I-2
D535	G-2	Q502	I-8
D536	G-2	Q503	F-2
D561	G-7	Q504	F-3
D1003	E-9	Q507	F-8
D1004	E-9	Q511	G-2
D1101	A-6	Q512	F-3
D1102	B-10	Q561	F-4
D1103	A-11	Q562	F-4
D1104	A-6	Q1102	A-11
D1301	D-12	Q1103	A-9
D1302	C-11	Q1301	C-11
D1303	C-11	Q1302	C-11
D1304	C-11	Q1303	E-12
D1305	D-11	Q1352	D-11
D1306	D-12	Q1353	D-12
IC		Q1354	D-11
IC001	B-2	CRYSTAL	
IC002	C-2	X001	C-3
IC003	C-3	X302	D-6

A Board Schematic Diagram



A BOARD IC VOLTAGE LIST

IC001		32	N/C	IC002		5	N/C	12	4.7	23	9.0	26	4.7	IC561	
pin	volt	33	0.0	pin	volt	6	0.1	13	GND	24	N/C	27	4.7	pin	volt
1	1.9	34	0.0	1	GND	7	GND	14	11.4	25	N/C	28	4.7	1	1.4
2	4.0	35	0.0	2	GND	8	N/C	15	5.6	26	N/C	29	N/C	2	14.0
3	0.0	36	0.0	3	GND	9	3.9	16	11.7	27	N/C	30	4.3	3	-11.9
4	5.0	37	5.4	4	GND	10	3.9	17	7.6	28	N/C	31	4.3	4	-13.8
5	2.7	38	N/C	5	4.7	11	9.0	18	1.3	IC355		32	3.7	5	0.4
6	0.2	39	4.0	6	4.7	12	3.1	19	3.6	pin	volt	33	9.1	6	14.4
7	1.8	40	2.9	7	0.0	13	0.1	20	2.0	1	3.5	34	4.7	7	1.4
8	N/C	41	4.9	8	5.0	14	GND	IC354		2	N/C	35	4.7	IC1001	
9	N/C	42	5.0	IC003		15	2.4	pin	volt	3	1.5	36	7.3	pin	volt
10	4.8	43	0.0	pin	volt	16	4.4	1	4.0	4	N/C	37	4.8	1	N/C
11	0.0	44	0.0	1	N/C	17	4.7	2	4.0	5	5.0	38	5.5	2	0.1
12	5.0	45	4.0	2	GND	18	GND	3	4.0	6	N/C	39	5.5	3	0.3
13	2.2	46	N/C	3	GND	19	6.0	4	0.3	7	4.5	40	GND	4	N/C
14	0.0	47	0.0	4	5.0	20	GND	5	4.0	8	4.8	41	N/C	5	4.4
15	1.2	48	0.0	5	5.0	21	5.8	6	4.0	9	5.3	42	7.3	6	4.7
16	4.8	49	0.0	IC351		22	5.8	7	4.0	10	GND	43	N/C	7	4.7
17	2.7	50	0.0	pin	volt	23	5.8	8	2.2	11	3.4	44	9.3	8	GND
18	2.7	51	0.0	1	5.8	24	9.0	9	N/C	12	2.4	45	5.5	9	9.3
19	3.3	52	0.0	2	0.3	IC353		10	N/C	13	3.5	46	5.1	10	N/C
20	0.0	53	N/C	3	5.3	pin	volt	11	N/C	14	3.5	47	1.9	11	9.3
21	0.0	54	5.0	4	GND	1	4.5	12	N/C	15	5.8	48	N/C	12	9.3
22	N/C	55	N/C	5	N/C	2	3.7	13	N/C	16	7.6	IC501		13	GND
23	4.8	56	0.0	6	9.4	3	4.9	14	N/C	17	1.2	pin	volt	14	4.7
24	4.7	57	4.8	7	5.0	4	4.5	15	N/C	18	3.5	1	-3.5	15	4.7
25	4.7	58	0.0	8	GND	5	GND	16	3.9	19	1.9	2	8.2	16	9.3
26	4.7	59	0.0	IC352		6	N/C	17	3.9	20	2.5	3	8.0	All voltages are in V	
27	4.7	60	0.0	pin	volt	7	4.5	18	3.9	21	2.0	4	-13.8		
28	0.0	61	0.0	1	5.8	8	N/C	19	GND	22	1.3	5	2.3		
29	0.0	62	4.7	2	5.8	9	N/C	20	0.0	23	1.2	6	2.9		
30	0.0	63	0.0	3	5.8	10	1.3	21	0.0	24	1.2	7	13.6		
31	N/C	64	0.0	4	GND	11	4.7	22	N/C	25	0.0	8	14.0		

All voltages are in V

A BOARD TRANSISTOR VOLTAGE LIST

Q001		Q007		Q301		Q310		Q359		Q501		Q512		Q1302	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	5.0	B	5.0	B	-0.7	B	3.7	B	1.6	B	-0.8	B	-14.1	B	0.2
C	0.7	C	0.0	C	3.5	C	2.0	C	GND	C	107.4	C	27.4	C	11.7
E	5.0	E	5.0	E	GND	E	4.3	E	2.3	E	GND	E	-13.9	E	0.7

Q002		Q008		Q303		Q311		Q361		Q502		Q561		Q1303	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	4.7	B	0.0	B	4.3	B	3.7	B	7.6	B	-0.2	B	0.0	B	4.9
C	9.3	C	0.0	C	10.5	C	GND	C	11.7	C	135.0	C	5.8	C	11.7
E	4.1	E	GND	E	3.7	E	4.3	E	6.9	E	GND	E	GND	E	4.3

Q003		Q009		Q304		Q313		Q362		Q503		Q562		Q1352	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	-0.4	B	0.0	B	1.3	B	4.3	B	5.7	B	0.0	B	-0.2	B	-2.2
C	4.0	C	3.6	C	GND	C	9.0	C	11.7	C	8.2	C	0.0	C	10.6
E	GND	E	GND	E	1.9	E	3.7	E	6.3	E	GND	E	GND	E	GND

Q004		Q016		Q305		Q314		Q364		Q504		Q1102		Q1353	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	5.0	B	5.8	B	1.2	B	4.3	B	10.1	B	-1.1	B	5.8	B	11.9
C	GND	C	9.4	C	GND	C	9.0	C	4.9	C	0.0	C	8.9	C	0.5
E	5.0	E	5.1	E	1.9	E	3.7	E	10.7	E	GND	E	5.1	E	11.7

Q005		Q103		Q306		Q351		Q369		Q507		Q1103		Q1354	
pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt	pin	volt
B	0.0	B	4.3	B	1.1	B	6.6	B	3.1	B	0.3	B	0.0	B	-0.1
C	5.0	C	4.9	C	GND	C	9.0	C	9.0	C	0.3	C	5.0	C	0.0
E	0.0	E	5.0	E	1.8	E	5.9	E	2.5	E	GND	E	GND	E	GND

Q006		Q104		Q307		Q352		Q370		Q511		Q1
------	--	------	--	------	--	------	--	------	--	------	--	----

← A Board UX Main Board →



R2001	H-13	10K	#	#: Not Mounted
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All voltages

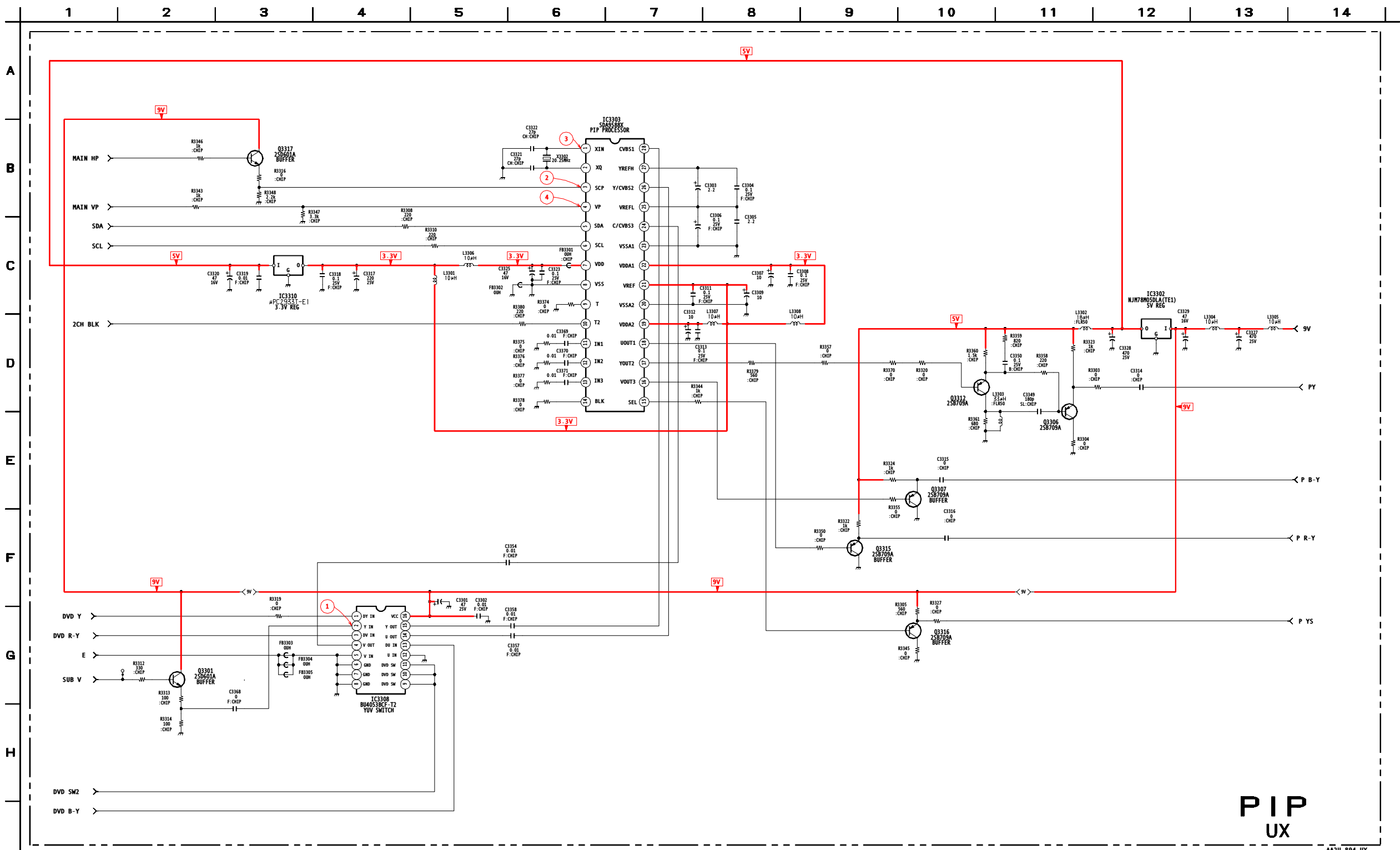
Q205	Q231	Q239	Q1051	Q1207	Q2007	Q2014
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All voltages are in V

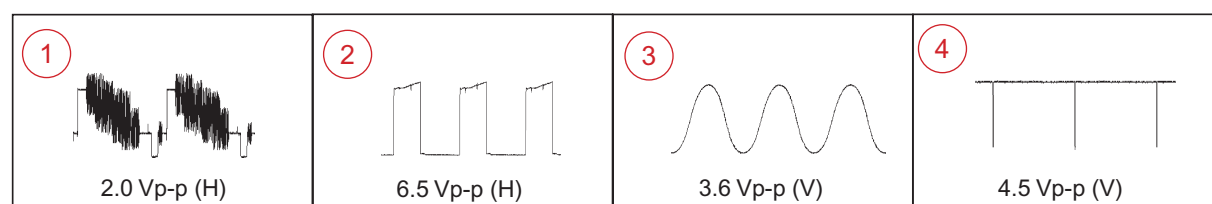
All voltages are in V

#: Not Mounted

UX (PIP) Board Schematic Diagram



UX (PIP) BOARD WAVEFORMS



UX (PIP) BOARD TRANSISTOR VOLTAGE LIST

Q3301		Q3307		Q3315		Q3317	
pin	volt	pin	volt	pin	volt	pin	volt
B	5.2	B	0.1	B	0.5	B	0.2
C	8.6	C	GND	C	GND	C	0.7
E	4.5	E	0.7	E	1.2	E	8.7
Q3306		Q3312		Q3316			
pin	volt	pin	volt	pin	volt		
B	0.6	B	0.0	B	0.0		
C	0.0	C	0.0	C	0.0		
E	1.2	E	0.6	E	0.8		

All voltages are in V

UX (PIP) BOARD IC VOLTAGE LIST

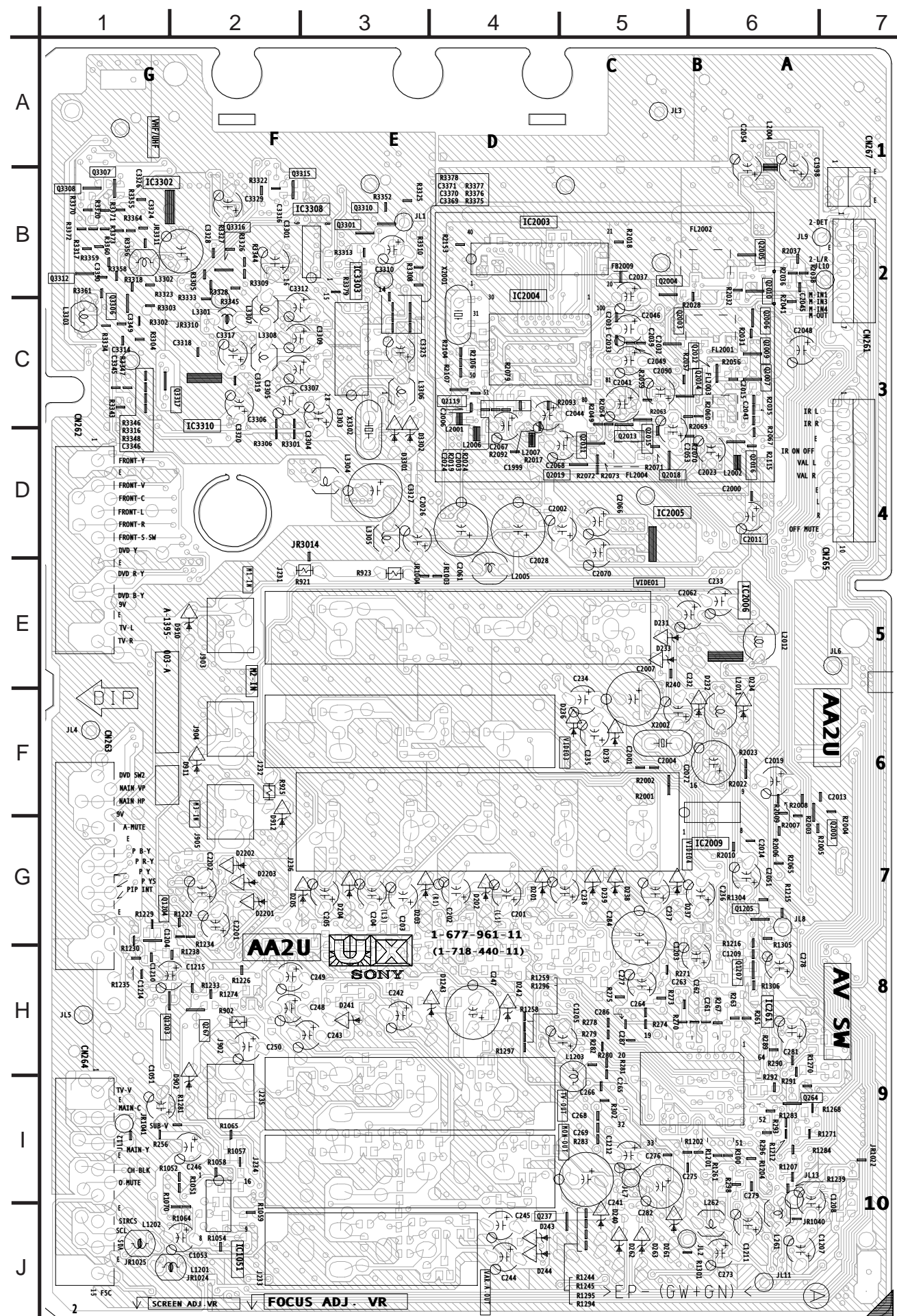
IC3302		18	0.5	12	2.7
pin	volt	19	3.3	13	3.2
IN	8.7	20	GND	14	2.7
OUT	5.1	21	3.3	15	2.7
GND	GND	22	3.3	16	8.5
IC3303		23	GND	IC3310	
pin	volt	24	2.7	pin	volt
1	3.6	25	1.5	in	5.0
2	3.6	26	2.7	OUT	3.3
3	6.5	27	1.5	GND	GND
4	4.5	28	2.7		
5	4.7	IC3308			
6	4.7	pin	volt		
7	3.3	1	3.5		
8	0.1	2	2.7		
9	1.2	3	3.2		
10	3.3	4	2.7		
11	1.2	5	GND		
12	1.2	6	GND		
13	1.2	7	GND		
14	1.2	8	GND		
15	0.0	9	0.3		
16	0.1	10	0.3		
17	0.0	11	0.3		

All voltages are in V

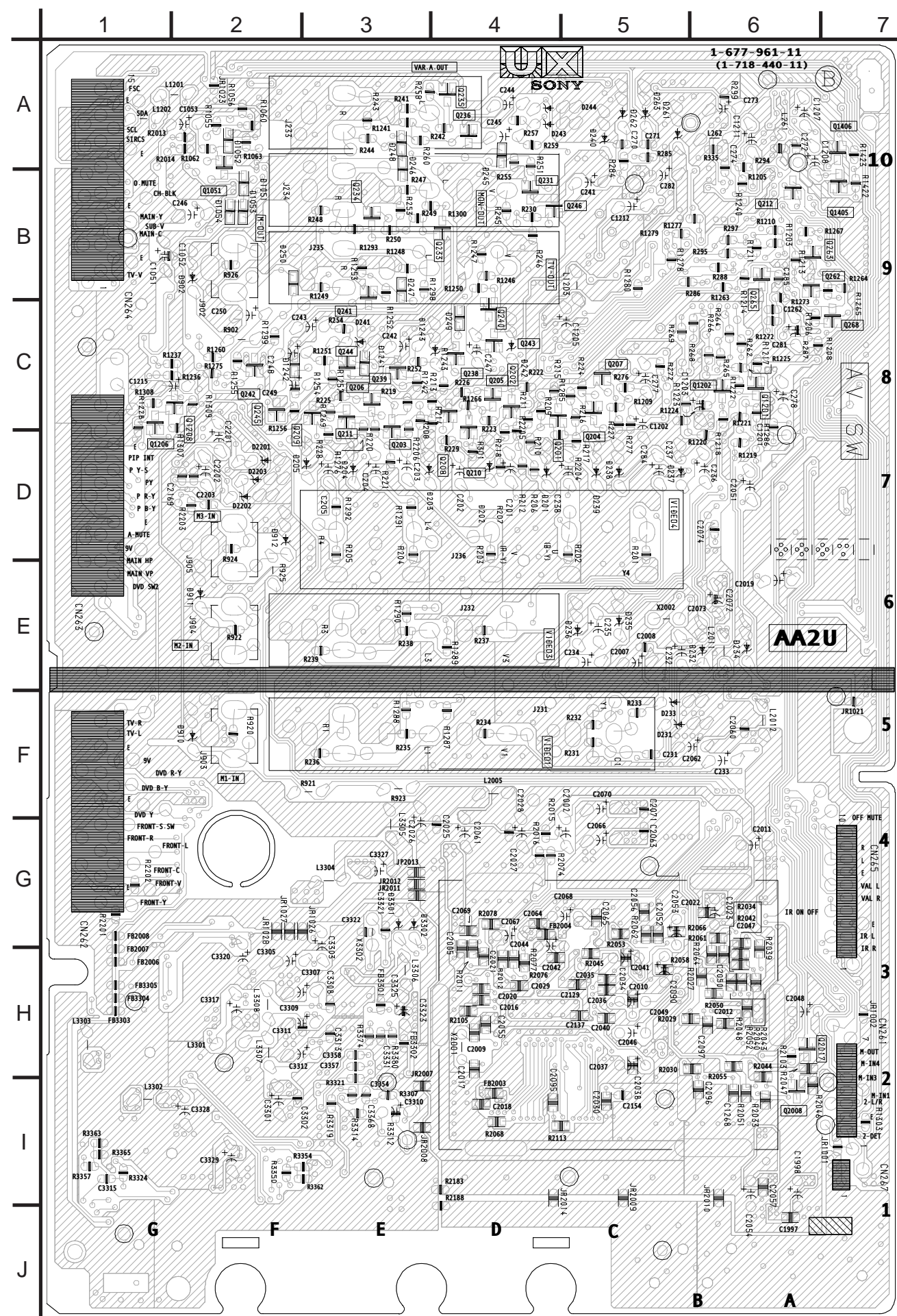


[3D DIGITAL COMB FILTER, AV SW, PIP]

COMPONENT SIDE



CONDUCTOR SIDE



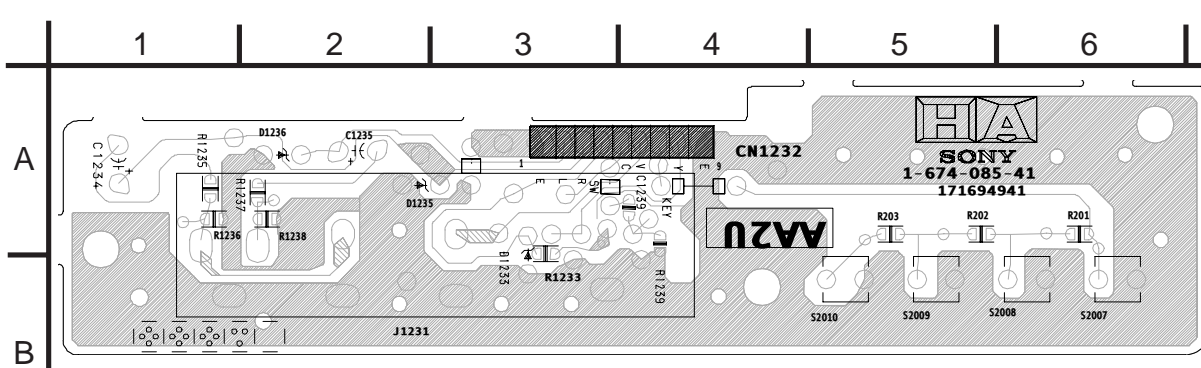
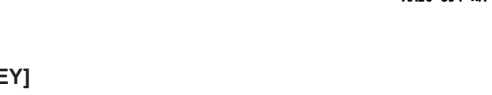
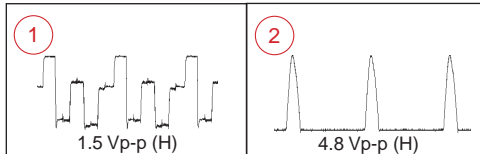
UX BOARD LOCATOR LIST

DIODE				COMP	COND	IC			COMP	COND	COMP	COND		COMP	COND		COMP	COND		
	COMP	COND	D245	--	B-5		COMP	COND	Q202	--	C-4	Q237	J-4	--	Q1206	--	D-1	Q2014	C-5	--
D201	G-4	--	D246	--	B-3	IC261	H-6	--	Q203	--	D-3	Q238	--	C-4	Q1207	H-6	--	Q2015	D-5	--
D202	G-4	--	D248	--	A-3	IC1051	J-3	--	Q204	--	D-5	Q239	--	C-3	Q1208	--	C-2	Q2016	D-6	--
D203	G-3	--	D261	--	A-5	IC2003	B-4	--	Q205	--	C-4	Q246	--	B-4	Q2001	G-7	--	Q2017	--	H-6
D204	G-3	--	D902	I-2	--	IC2004	C-4	--	Q206	--	C-3	Q262	--	B-7	Q2003	C-5	--	Q2018	D-5	--
D205	--	D-3	D910	E-2	--	IC2005	D-5	--	Q207	--	C-5	Q263	--	B-6	Q2004	B-5	--	Q2019	D-4	--
D231	E-5	--	D911	--	E-2	IC2006	E-6	--	Q208	--	D-3	Q264	I-6	--	Q2005	B-6	--	Q2119	C-4	--
D232	E-6	--	D912	G-2	--	IC2009	F-5	--	Q209	--	C-2	Q265	--	B-6	Q2006	C-6	--	Q3301	B-3	--
D233	E-5	--	D1051	--	B-2	IC3302	B-1	--	Q210	--	D-4	Q268	--	C-7	Q2007	C-6	--	Q3306	B-1	--
D234	E-6	--	D1052	--	A-2	IC3303	B-3	--	Q211	--	C-4	Q1051	--	B-2	Q2008	--	I-6	Q3307	B-1	--
D235	F-5	--	D1053	--	B-2	IC3308	B-2	--	Q231	--	B-4	Q1201	--	C-6	Q2009	C-6	--	Q3312	B-1	--
D236	E-5	--	D1054	--	B-2	IC3310	B-3	--	Q233	--	B-4	Q1202	--	C-5	Q2010	B-6	--	Q3315	B-2	--
D237	G-5	--	D2201	--	D-2	TRANSISTOR			Q234	--	B-3	Q1203	H-2	--	Q2011	D-5	--	Q3316	B-2	--
D238	G-5	--	D2202	--	D-2	COMP	COND		Q235	--	A-4	Q1204	G-2	--	Q2012	C-5	--	Q3317	C-2	--
D239	G-5	--	D2203	--	D-2	Q201	D-4	--	Q236	--	A-4	Q1205	G-6	--	Q2013	C-5	--			



AK BOARD MARK (*) LIST

#: Not Nounted



AA2U

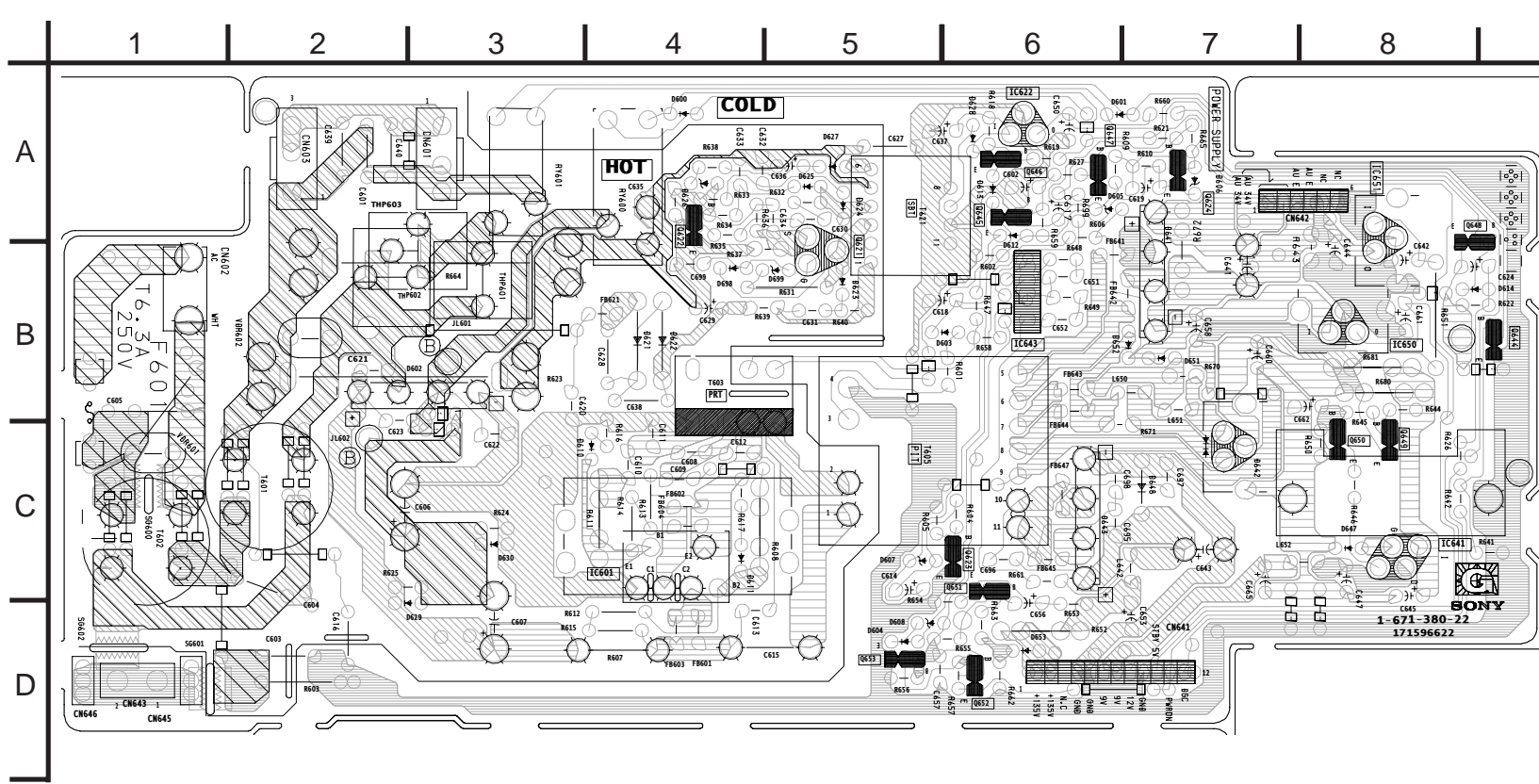
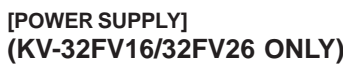
TU101		7	7.9	15	N/C
pin	volt	8	0.0	16	3.1
1	9.3	9	9.4	17	0.0
2	30.2	10	7.9	18	4.0
3	5.1	11	GND	All voltages are in V	
4	4.7	12	N/C		
5	0.0	13	N/C		
6	5.0	14	N/C		

voltages are in V

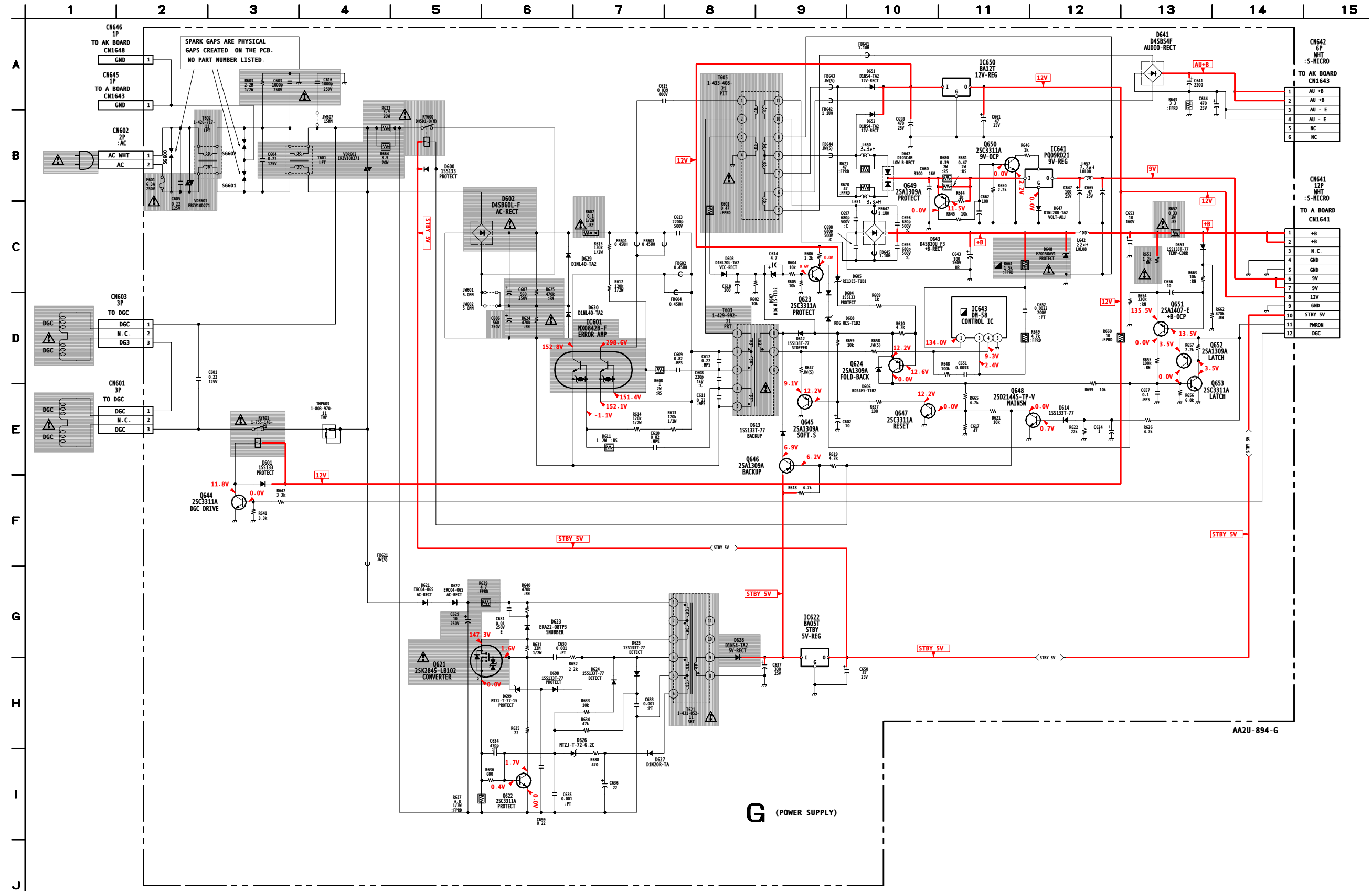
TU101		7	7.9	15	N/C
pin	volt	8	0.0	16	3.1
1	9.3	9	9.4	17	0.0
2	30.2	10	7.9	18	4.0
3	5.1	11	GND	All voltages are in V	
4	4.7	12	N/C		
5	0.0	13	N/C		
6	5.0	14	N/C		

voltages are in V

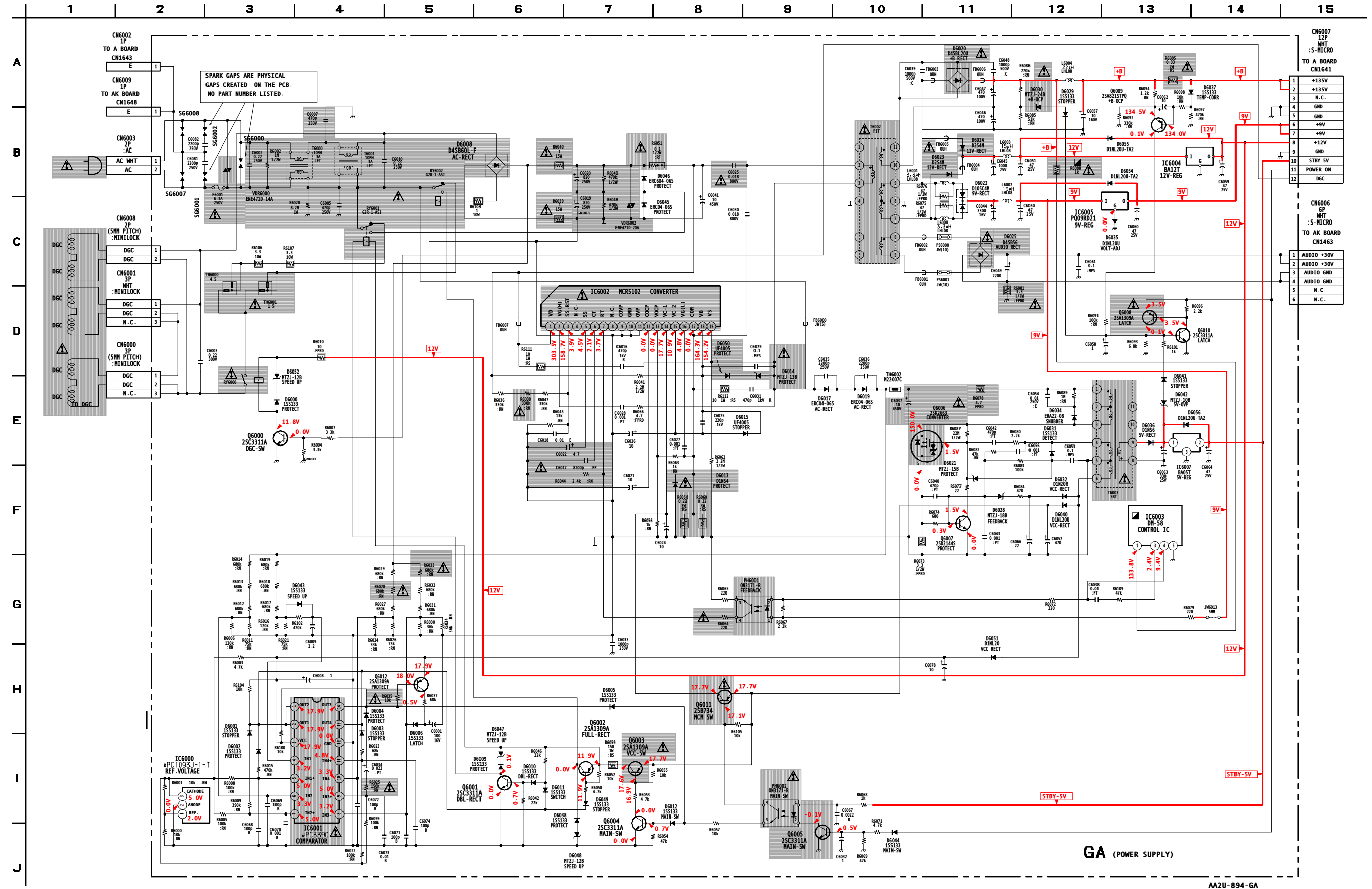
DIODE		D648	C-7
D600	A-4	D651	B-7
D601	A-6	D652	B-7
D602	B-2	D653	D-6
D603	B-5	D698	B-4
D604	D-5	D699	B-5
D605	A-6	IC	
D606	A-7	IC601	C-3
D607	C-5	IC622	A-6
D608	D-5	IC641	C-8
D612	A-6	IC643	B-6
D613	A-6	IC650	B-8
D614	B-8	TRANSISTOR	
D621	B-4	Q621	A-5
D622	B-4	Q622	A-4
D623	B-5	Q623	C-6
D624	A-5	Q624	A-7
D625	A-5	Q644	B-8
D626	A-4	Q645	A-6
D627	A-5	Q646	A-6
D628	A-6	Q647	A-6
D629	C-2	Q648	A-8
D630	C-3	Q649	B-8
D641	B-7	Q650	B-8
D642	C-7	Q651	C-6
D643	C-6	Q652	D-6
D647	C-8	Q653	D-5

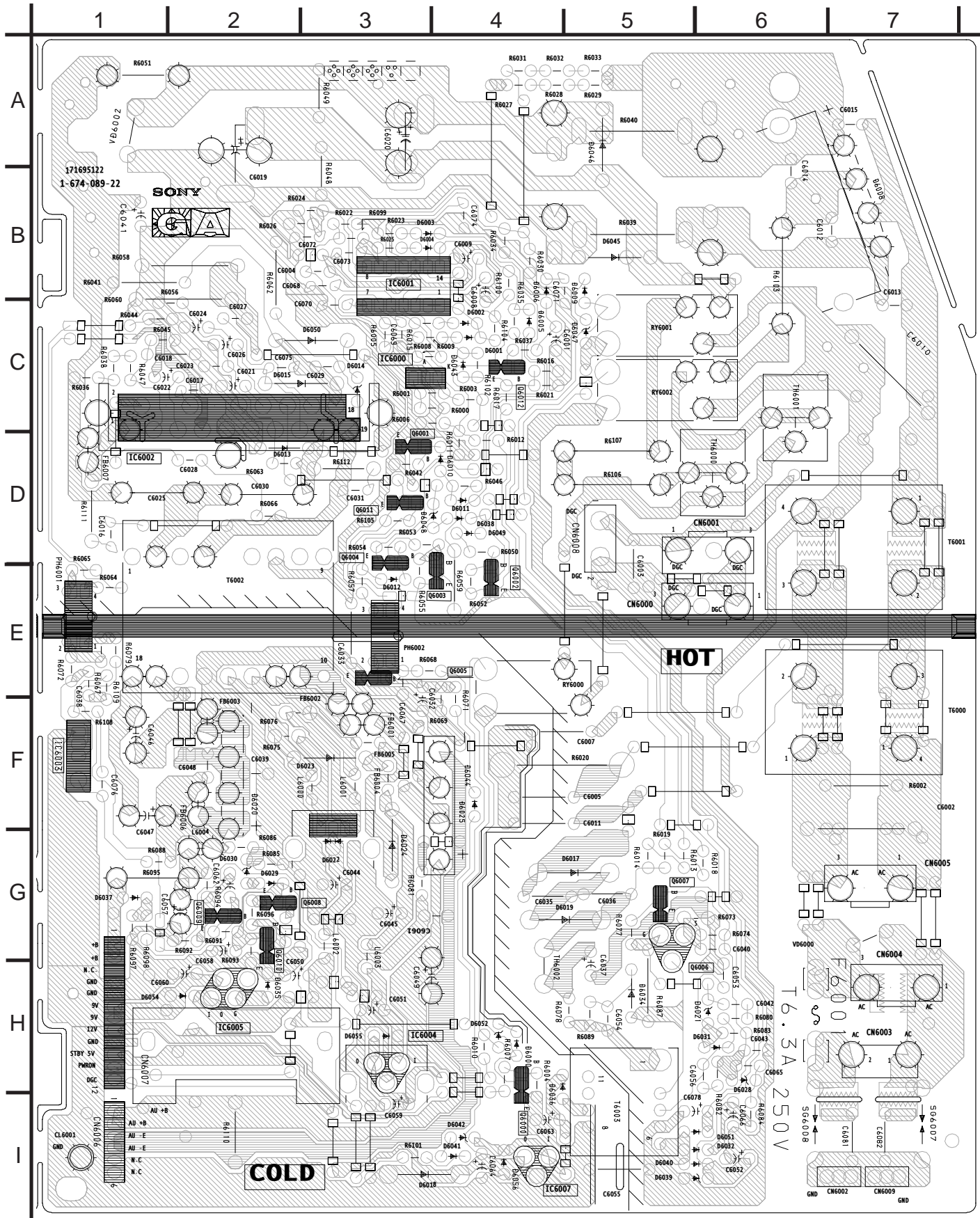


G Board Schematic Diagram (KV-32FV16/32FV26 ONLY)



GA Board Schematic Diagram (ALL EXCEPT KV-32FV16/32FV26)

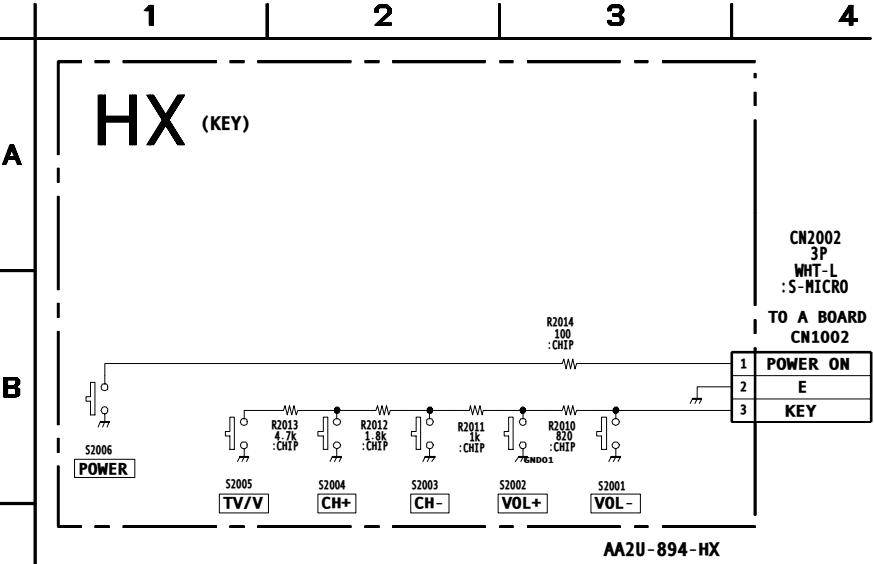




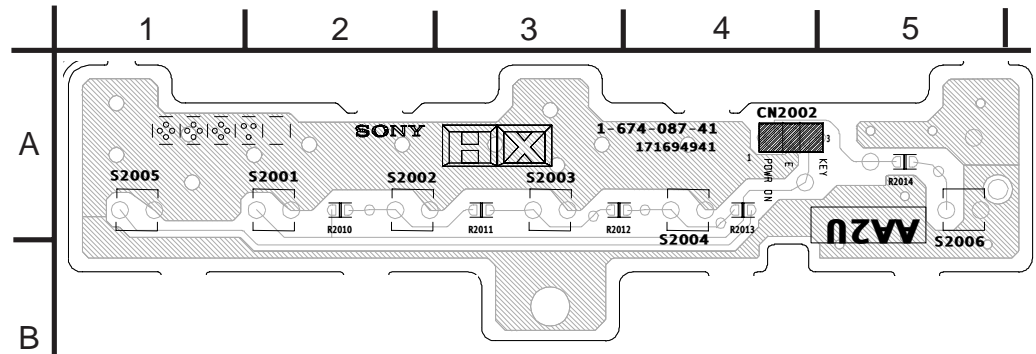
GA BOARD LOCATOR LIST

DIODE		D6012	E-3	D6028	H-2	D6042	I-4	D6055	H-3	Q6001	D-4
D6000	I-5	D6013	D-3	D6029	H-2	D6043	C-4	D6056	I-4	Q6002	E-4
D6001	C-4	D6014	D-3	D6030	G-2	D6044	G-4	IC		Q6003	H-3
D6002	C-4	D6015	C-2	D6031	I-6	D6045	B-4	IC6000	C-4	Q6004	E-3
D6003	B-4	D6017	H-5	D6032	I-6	D6046	B-5	IC6001	B-3	Q6005	F-3
D6004	B-4	D6019	H-5	D6034	H-5	D6047	C-5	IC6002	D-1	Q6006	H-6
D6005	C-5	D6020	G-2	D6035	H-2	D6048	E-4	IC6003	F-1	Q6007	H-6
D6006	C-5	D6021	I-6	D6036	I-5	D6049	E-4	IC6004	I-3	Q6008	H-3
D6008	B-7	D6022	G-3	D6037	H-1	D6050	C-3	IC6005	H-2	Q6009	H-2
D6009	H-2	D6023	G-3	D6038	E-4	D6051	I-6	IC6007	J-5	Q6010	H-2
D6010	D-4	D6024	G-3	D6040	I-6	D6052	I-4	TRANSISTOR		Q6011	D-3
D6011	B-4	D6025	G-4	D6041	I-4	D6054	H-2	Q6000	I-5	Q6012	C-4

HX Board Schematic Diagram



HX [KEY]



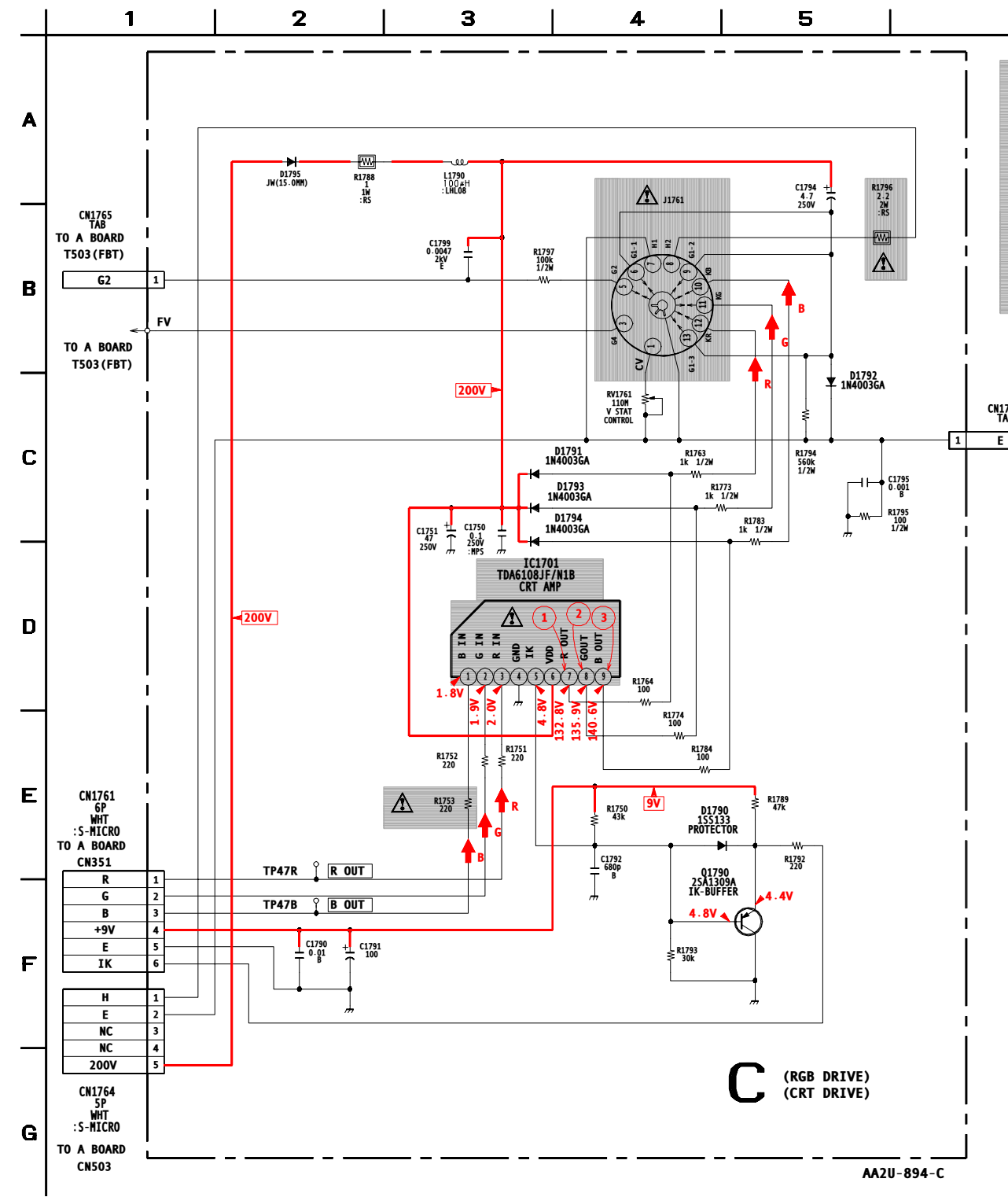


T

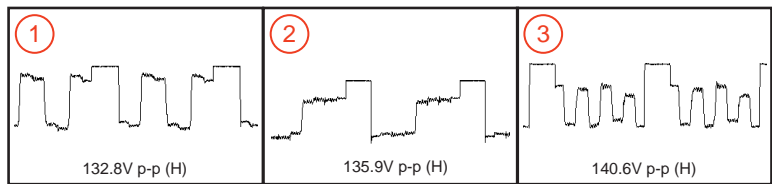
— 61 —

— 62 —

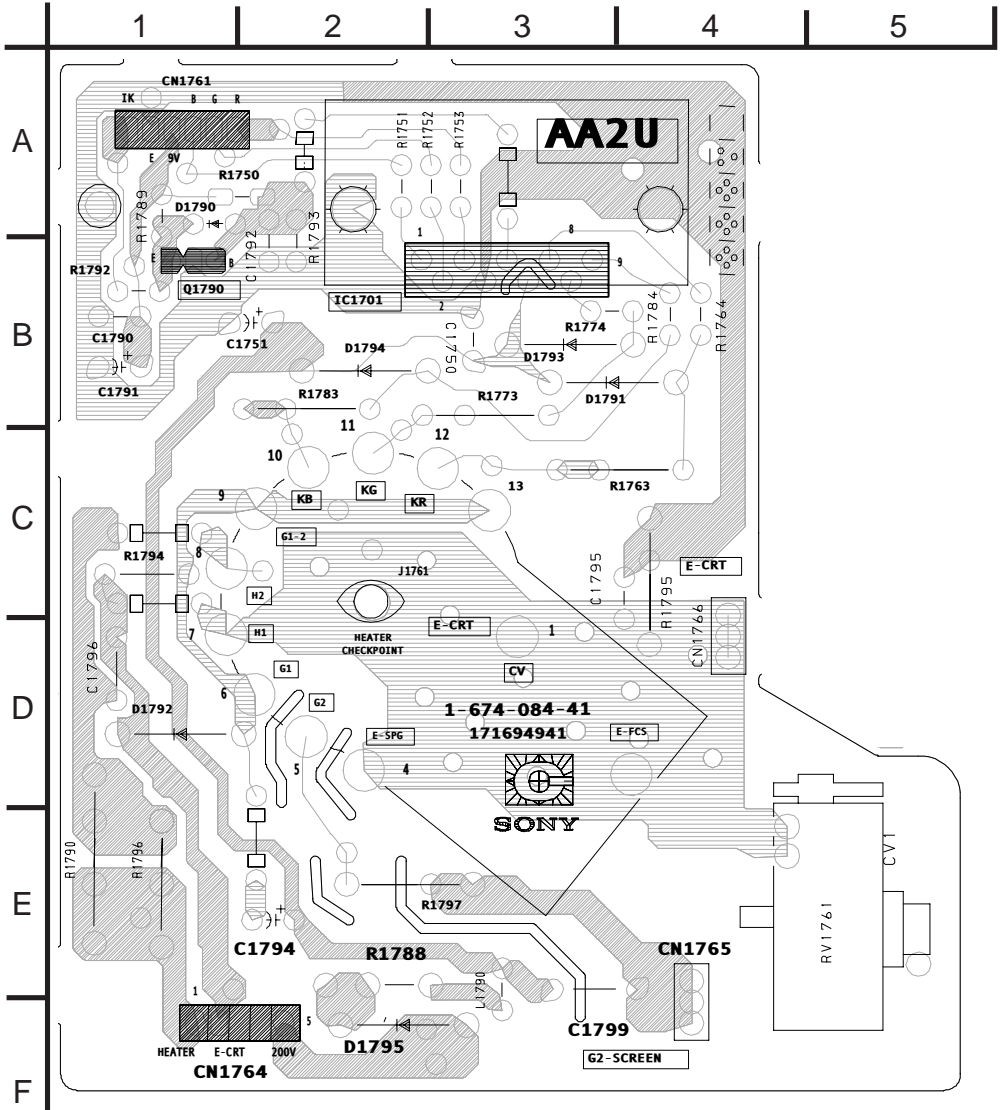
C Board Schematic Diagram



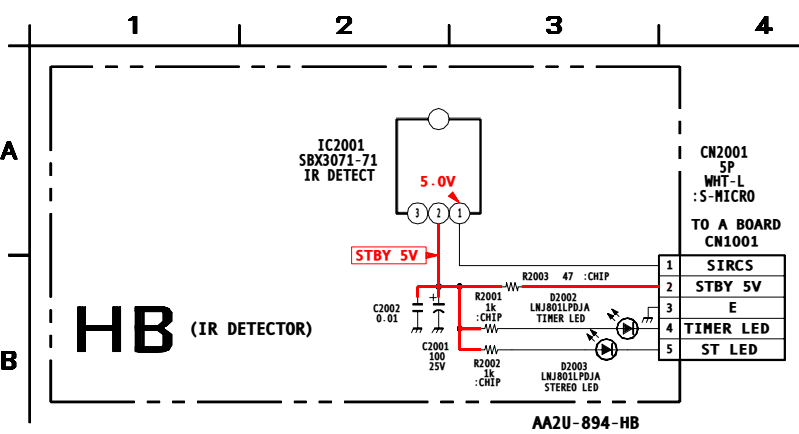
C BOARD WAVEFORMS



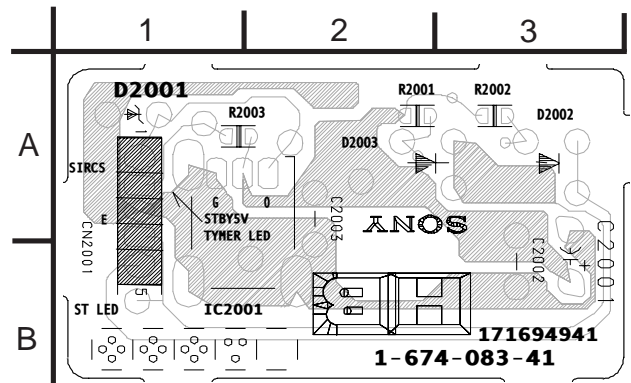
C [RGB DRIVE, CRT DRIVE]



HB Board Schematic Diagram

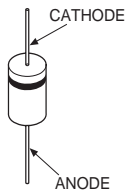


HB [IR DETECTOR]



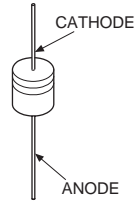
5-4. SEMICONDUCTORS

D1NL20U-TA2
D1NS6-TA2
EL1Z
ERA22-08-TP3
ERB44-06TP1
ERC06-15S
ERD29-08J
EZ0150AV1

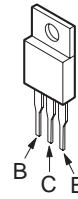


D1NS4-TA2
MTZJ-XXA
MTZJ-XXB
MTZJ-XXC
ERA38-06TP1
ERA82-004TP5
D1N2OR-TA
MTZJ-T77-7.5X
MTZJ-T-7715B
MTZJ-T-77-39

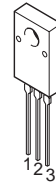
(XX = VALUE)



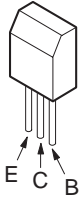
2SC4159-E



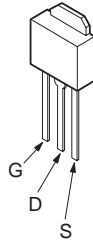
D10SC4M



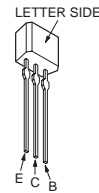
2SB734-T-34
2SC3209LK-TP
2SB734T-4



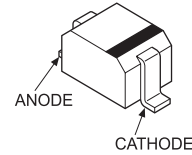
2SK2845-LB102



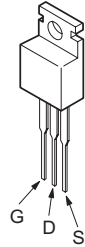
2SA1309A-QRSTA
2SC3311A-QRSTA
2SD2144S-TP-V
2SD1858-QTV2



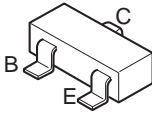
MA111-TX
RD3.3SB-T1



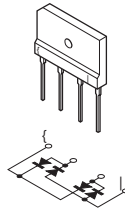
IRF614



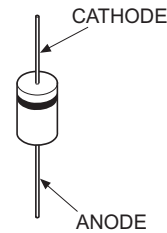
2SB709A-QRS-TX
2SD601A-QRS-TX
DTC114EKA-T146



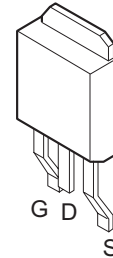
D4SB60L-F
D1NL40TA2



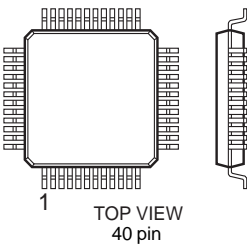
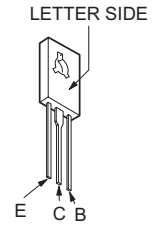
MTZJ-T-77-5.1C
MTZJ-T-7755.6C
MTZJ-T-77-10B
EROC04-06S



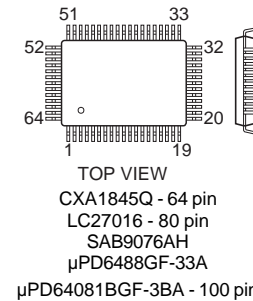
2SK2663



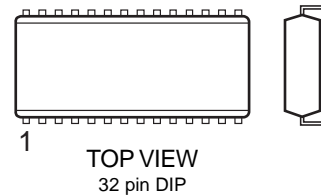
2SC3840K
2SA1407-E



CXA2019Q

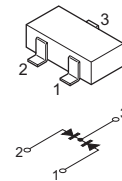


TOP VIEW
CXA1845Q - 64 pin
LC27016 - 80 pin
SAB9076AH
 μ PD6488GF-33A
 μ PD64081BGF-3BA - 100 pin

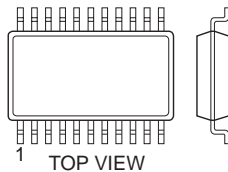


BH3868FS-E2
V53C16258SHK - 40 pin DIP

DAN202K-T-146



8 pin SOP
NJM2903D
NJM2903M
NJM2904D
ST24C02FM6TR
 μ PC4558G2
X24C04SB

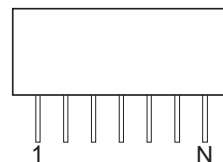


20 pin SOP
NJM2150M

16 pin SOP
BU4053BCF-T2
CXA1315M
MC14052BF
MC14538B
NJM2145M-TE2
CXD2064Q-T6

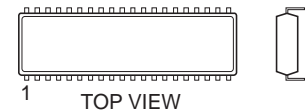
24 pin SOP
CXA2039M-T6
28 pin SOP
MN47V76ST1
MN47V77ST1
36 pin SOP
 μ PC1862GS-E2

DM-58



MARKING SIDE VIEW

Epin 1 ' N
EMt (one side, both sides)



14 pin DIP
NJM2902M

16 pin DIP
MM1093N

20 pin DIP
TA1226N

22 pin DIP
CXA2021S

28 pin DIP
TDA7467

30 pin DIP
CXD2073S

40 pin DIP
SDA9288XE

42 pin DIP
MM1311AD

MM1313AD


48 pin DIP
CXA2131S


64 pin DIP
CXP85856A-029S

SECTION 6

EXPLODED VIEW

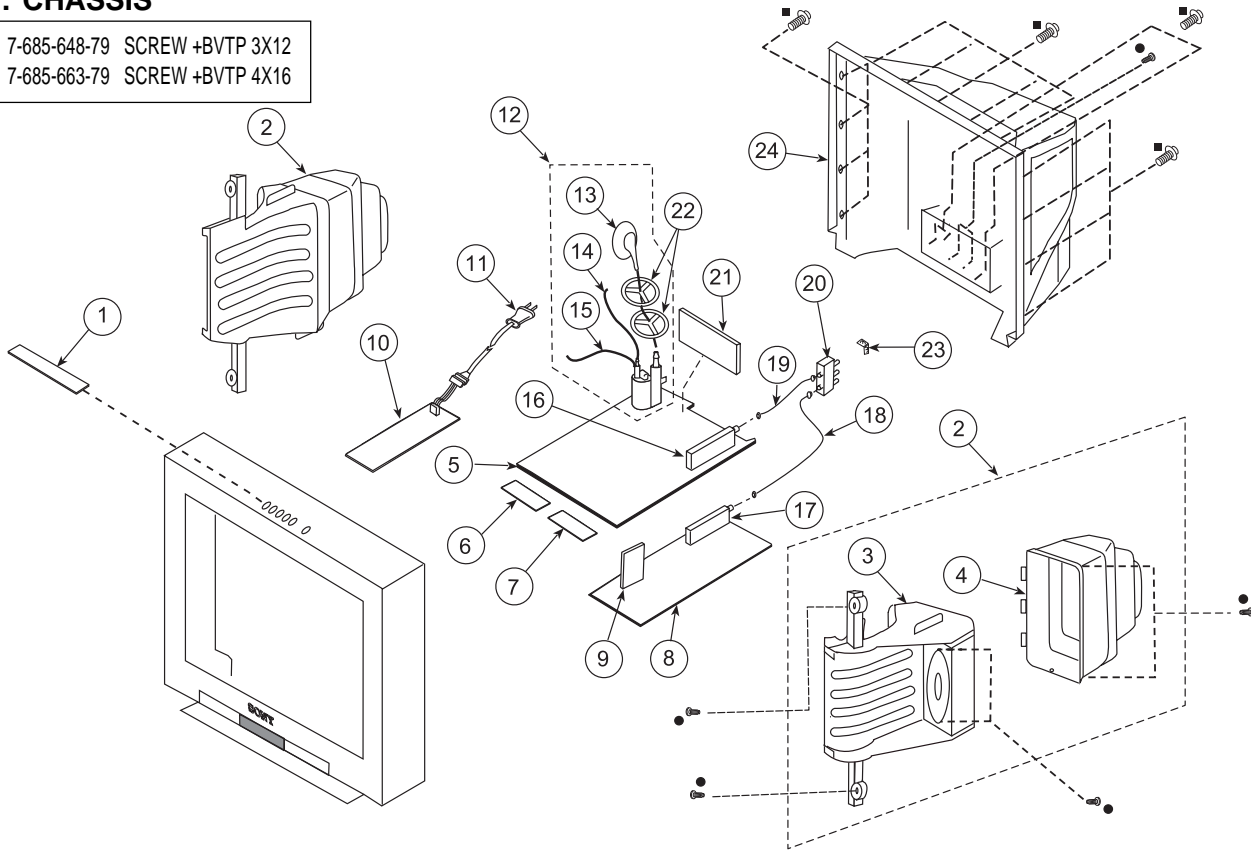
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The component parts of an assembly are indicated by the reference numbers in the remarks column.
- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.







Note: The components identified by shading and mark  are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un triangle et une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS

- 7-685-648-79 SCREW +BVTP 3X12
- 7-685-663-79 SCREW +BVTP 4X16



REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
1	* A-1372-636-A	HX MOUNTED PC BOARD		11	 1-790-316-11	CORD, AC POWER(WITH CONNECTOR) (KV-32FV16/32FV26 ONLY)	
2	* 1-529-358-11	SPEAKER, BOX (5,10CM) (ALL EXCEPT KV-32FV16)	3-4	11	 1-791-936-11	CORD, AC POWER(WITH CONNECTOR) (KV-34FV16/34FX260 ONLY)	
2	1-529-336-11	BOX, 1 WAY SPEAKER (10CM) (KV-32FV16 ONLY)	3-4	11	 1-769-796-71	CORD, POWER (WITH CONNECTOR) (KV-34FV16/34FX260C ONLY)	
3	4-068-988-01	BAFFLE, SPEAKER		12	 1-453-338-21	FBT ASSY NX-4600	13-15
4	* 4-068-987-01	COVER, SPEAKER		13	1-251-715-22	HV CAP ASSY	
5	* A-1299-304-A	A COMPLETE PC BOARD					
The high-voltage leads associated with the FBT on this board are not included and must be ordered separately. See (13-15)				14	1-900-805-19	FOCUS LEAD	
6	* A-1372-634-A	HA MOUNTED PC BOARD		15	1-900-805-22	G2 LEAD	
7	* A-1372-635-A	HB MOUNTED PC BOARD		16	 8-598-542-20	TUNER, FSS BTF-WA412	
8	* A-1299-281-A	AK COMPLETE PC BOARD (KV-32FV16/34FV16/34FV16C ONLY)		17	 8-598-501-30	TUNER, FSS BTF-FA402	
8	* A-1299-282-A	AK COMPLETE PC BOARD (KV-32FV26/34FX260/34FX260C ONLY)		18	* 1-556-945-21	CABLE, P-P	
9	* A-1394-934-A	T COMPLETE PC BOARD (KV-32FV26/34FX260/34FX260C ONLY)		19	* 1-557-056-31	CABLE, P-P	
10	* A-1316-397-A	G COMPLETE PC BOARD (KV-32FV16/32FV26 ONLY)		20	8-598-414-10	CHANGER, ANTENNA AS-2F	
10	* A-1316-470-A	GA COMPLETE PC BOARD (KV34FV16/34FV16C/34FX260/34FX260C ONLY)		21	* A-1395-003-A	UX COMPLETE PC BOARD (KV-32FV16/34FV16/34FV16C ONLY)	
				21	A-1395-004-A	UX COMPLETE PC BOARD (KV-32FV26/34FX260/34FX260C ONLY)	
				22	3-704-372-71	HOLDER, HV CABLE	
				23	* 3-696-606-02	HINGE, VI	
				24	4-069-000-23	COVER, REAR	

Note:

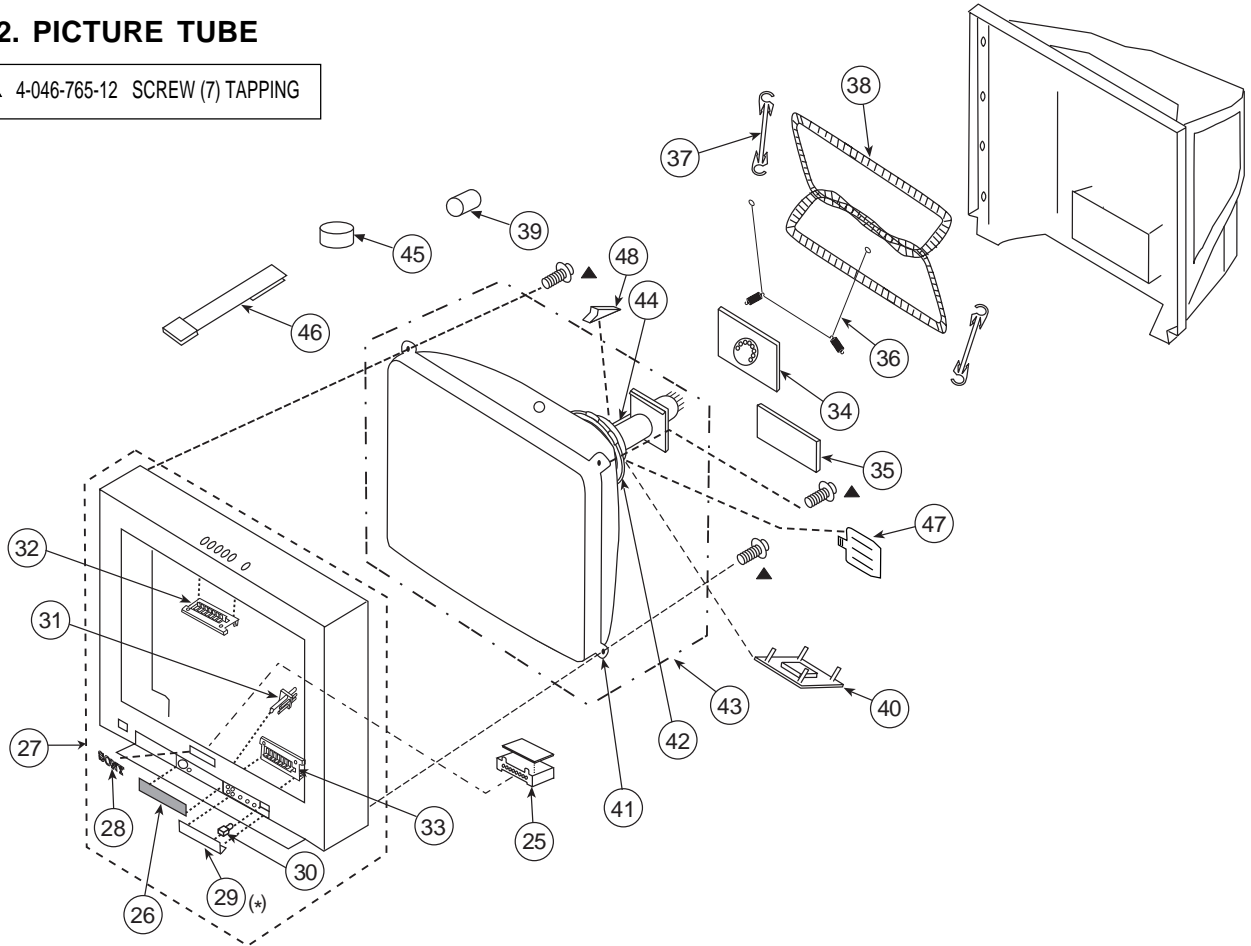
The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-2. PICTURE TUBE

▲ 4-046-765-12 SCREW (7) TAPPING



REF.NO.	PART.NO.	DESCRIPTION	REMARK	REF.NO.	PART.NO.	DESCRIPTION	REMARK
25	* 4-068-992-01	CASE, IR SHIELD (KV32FV26/34FX260/34FX260C)		38	▲ 1-416-827-21	COIL, DEGAUSSING (KV-32FV16/32FV26 ONLY)	
26	4-068-991-01	PANEL, IR (KV-32FV26/34FX260/34FX260C ONLY)		38	▲ 1-419-163-11	COIL, DEGAUSSING (KV-34FV16/34FV16C/34FX260/34FX260C)	
27	X-4037-907-1	BEZNET ASSY (KV-32FV16 ONLY)	28-30	39	1-500-497-11	FILTER, CLAMP (FERRITE CORE) (KV-34FV16C/34FX260C)	
27	X-4037-907-2	BEZNET ASSY (KV-34FV16/34FV16C ONLY)	28-30	40	1-452-896-11	COIL, NA ROTATION (RT200)	
27	X-4037-908-1	BEZNET ASSY (KV-32FV26/34FX260/34FX260C ONLY)	28-30	41	▲ 8-735-050-05	CRT 34RSN(FOR EQUATORIAL AREA) (KV-34FV16C/34FX260C ONLY)	
28	3-704-179-31	EMBLEM (NO.9), SONY		41	▲ 8-735-066-05	CRT 34RSN(SDP) (KV-32FV16/32FV26/34FV16/34FX260 ONLY)	
29		DOOR (Comes with Beznet Assembly)		42	▲ 8-451-499-21	DY Y34RSA-X (ALL EXCEPT KV-32FV16)	
29	* X-4037-631-1	DOOR ASSY *This part must be ordered when it is necessary to replace the DOOR ONLY.		43	▲ 8-735-047-61	ITC 34RSN-A1 (KV-32FV16 ONLY)	
30	3-703-574-00	RETAINER, DOOR		44	▲ 8-453-007-41	NA324-M4	
31	4-068-986-01	GUIDE, LED		45	1-452-032-00	MAGNET, DISC	
32	4-068-982-02	MULTI-BUTTON (TOP)		46	4-062-047-02	PIECE A(110), CONV CORRECT	
33	4-068-984-01	MULTI-BUTTON (BOTTOM)		47	2-163-920-01	PLATE, TLH CORRECTION	
34	* A-1331-942-A	C (VAR) MOUNTED PC BOARD		48	4-053-005-01	SPACER, DY	
35	* A-1375-187-A	WA COMPLETE PC BOARD					
36	4-036-329-01	SPRING (B), TENSION					
37	4-065-895-04	HOLDER, DGC					

A

SECTION 7 ELECTRICAL PARTS LIST

Note:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

The components identified by **A** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Note:

Les composants identifiés par un trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked * are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

When indicating parts by reference number, please include the board name.

REF. NO.	PART NO.	DESCRIPTION	REMARK			REF. NO.	PART NO.	DESCRIPTION	REMARK		
<div>A</div>						C077	1-126-964-11	ELECT	10µF	20%	50V
						C080	1-165-319-11	CERAMIC CHIP	0.1µF		50V
						C100	1-165-319-11	CERAMIC CHIP	0.1µF		50V
						C301	1-136-165-00	FILM	0.1µF	5%	50V
						C306	1-163-233-11	CERAMIC CHIP	18PF	5%	50V
						C308	1-163-005-11	CERAMIC CHIP	470PF	10%	50V
						C309	1-126-959-11	ELECT	0.47µF	20%	50V
						C310	1-104-664-11	ELECT	47µF	20%	25V
						C311	1-163-038-11	CERAMIC CHIP	0.1µF		25V
						C312	1-126-963-11	ELECT	4.7µF	20%	50V
					C314	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C316	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C318	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C319	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C320	1-126-935-11	ELECT	470µF	20%	16V	
					C321	1-163-031-11	CERAMIC CHIP	0.01µF		50V	
					C322	1-163-031-11	CERAMIC CHIP	0.01µF		50V	
					C323	1-163-031-11	CERAMIC CHIP	0.01µF		50V	
					C326	1-165-319-11	CERAMIC CHIP	0.1µF		50V	
					C327	1-126-963-11	ELECT	4.7µF	20%	50V	
					C329	1-165-319-11	CERAMIC CHIP	0.1µF		50V	
					C331	1-126-964-11	ELECT	10µF	20%	50V	
					C332	1-126-960-11	ELECT	1µF	20%	50V	
					C333	1-102-129-00	CERAMIC	0.01µF	10%	50V	
					C334	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
					C336	1-163-009-11	CERAMIC CHIP	0.001µF	10%	50V	
					C338	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C339	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C340	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C343	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C344	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C345	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C351	1-163-031-11	CERAMIC CHIP	0.01µF		50V	
					C352	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C355	1-163-021-91	CERAMIC CHIP	0.01µF	10%	50V	
					C357	1-126-967-11	ELECT	47µF	20%	50V	
					C359	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C361	1-163-038-11	CERAMIC CHIP	0.1µF		25V	
					C374	1-163-038-11	CERAMIC CHIP	0.1µF		25V	

REF. NO.	PART NO.	DESCRIPTION	REMARK		
<div>A</div>	* A-1299-304-A A COMPLETE PC BOARD				
	The high voltage leads associated with the FBT on this board are not included and must be ordered separately. Order the following leads when requesting this A Board:				
	1-251-715-22	HV CAP ASSY			
	1-900-805-22	G2 LEAD			
	1-900-805-19	FOCUS LEAD			
	4-382-854-11	SCREW (M3X10), P, SW (+)			
	CAPACITOR				
	C001	1-163-259-91	CERAMIC CHIP	220PF	5% 50V
C003	1-163-809-11	CERAMIC CHIP	0.047µF	10% 25V	
C005	1-126-960-11	ELECT	1µF	20% 50V	
C009	1-126-967-11	ELECT	47µF	20% 50V	
C010	1-163-037-11	CERAMIC CHIP	0.022µF	10% 50V	
C012	1-163-135-00	CERAMIC CHIP	560PF	5% 50V	
C014	1-163-009-11	CERAMIC CHIP	0.001µF	10% 50V	
C017	1-126-960-11	ELECT	1µF	20% 50V	
C020	1-163-259-91	CERAMIC CHIP	220PF	5% 50V	
C023	1-163-259-91	CERAMIC CHIP	220PF	5% 50V	
C028	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V	
C029	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50V	
C030	1-163-038-11	CERAMIC CHIP	0.1µF	25V	
C035	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	
C036	1-163-235-11	CERAMIC CHIP	22PF	5% 50V	
C051	1-164-161-11	CERAMIC CHIP	0.0022µF	10% 50V	
C053	1-163-021-91	CERAMIC CHIP	0.01µF	10% 50V	
C062	1-163-037-11	CERAMIC CHIP	0.022µF	10% 50V	
C063	1-126-941-11	ELECT	470µF	20% 25V	
C068	1-163-021-91	CERAMIC CHIP	0.01µF	10% 50V	
C071	1-102-129-00	CERAMIC	0.01µF	10% 50V	
C072	1-164-161-11	CERAMIC CHIP	0.0022µF	10% 50V	

Note:

The components identified by shading and mark Δ are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

A

REF.NO.	PART.NO.	DESCRIPTION	REMARK			REF.NO.	PART.NO.	DESCRIPTION	REMARK		
C375	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V	C548	1-164-004-11	CERAMIC CHIP	0.1 μ F	10%	25V
C382	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V	C549	1-106-375-12	MYLAR	0.022 μ F	20%	200V
C384	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V	C550	1-102-002-00	CERAMIC	680PF	10%	500V
C393	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V	C551	1-109-954-11	ELECT	0.47 μ F	20%	160V
						C552	1-102-244-00	CERAMIC	220PF	10%	500V
C394	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V	C553	1-117-666-11	FILM	0.39 μ F	5%	250V
C395	1-104-664-11	ELECT	47 μ F	20%	25V	C554 Δ	1-104-491-11	FILM	0.0047 μ F	3%	2KV
C396	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V	C561	1-126-967-11	ELECT	47 μ F	20%	50V
C397	1-104-664-11	ELECT	47 μ F	20%	25V	C563	1-104-666-11	ELECT	220 μ F	20%	25V
C398	1-126-961-11	ELECT	2.2 μ F	20%	50V	C564	1-126-960-11	ELECT	1 μ F	20%	50V
C501	1-102-110-00	CERAMIC	220PF	10%	50V	C565	1-126-969-11	ELECT	220 μ F	20%	50V
C502	1-126-959-11	ELECT	0.47 μ F	20%	50V	C568	1-136-169-00	FILM	0.22 μ F	5%	50V
C503	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C571	1-126-942-61	ELECT	1000 μ F	20%	25V
C504	1-102-228-00	CERAMIC	470PF	10%	500V	C572	1-126-942-61	ELECT	1000 μ F	20%	25V
C505	1-102-228-00	CERAMIC	470PF	10%	500V	C599	1-126-935-11	ELECT	470 μ F	20%	16V
C506	1-106-383-00	MYLAR	0.047 μ F	10%	200V	C1002	1-126-964-11	ELECT	10 μ F	20%	50V
C507 Δ	1-162-116-00	CERAMIC	680PF	10%	2KV	C1003	1-126-961-11	ELECT	2.2 μ F	20%	50V
C508	1-102-228-00	CERAMIC	470PF	10%	500V	C1004	1-126-960-11	ELECT	1 μ F	20%	50V
C509	1-162-116-00	CERAMIC	680PF	10%	2KV	C1101	1-126-943-11	ELECT	2200 μ F	20%	25V
C510	1-137-150-11	MYLAR	0.01 μ F	10%	100V	C1103	1-126-965-11	ELECT	22 μ F	20%	50V
C511 Δ	1-137-347-11	FILM	0.022 μ F	3%	2KV	C1104	1-104-664-11	ELECT	47 μ F	20%	25V
C512	1-129-928-00	FILM	0.0027 μ F	10%	630V	C1105	1-104-664-11	ELECT	47 μ F	20%	25V
C513 Δ	1-130-118-91	FILM	0.051 μ F	5%	400V	C1106	1-126-964-11	ELECT	10 μ F	20%	50V
C514 Δ	1-115-521-11	FILM	0.82 μ F	5%	250V	C1107	1-163-037-11	CERAMIC CHIP	0.022 μ F	10%	50V
C515	1-104-987-11	MYLAR	0.001 μ F	10%	100V	C1108	1-128-551-11	ELECT	22 μ F	20%	25V
C516 Δ	1-115-521-11	FILM	0.82 μ F	5%	250V	C1109	1-126-964-11	ELECT	10 μ F	20%	50V
C517	1-107-649-11	ELECT	2.2 μ F	20%	250V	C1117	1-126-960-11	ELECT	1 μ F	20%	50V
C518	1-106-387-00	MYLAR	0.068 μ F	10%	200V	C1118	1-126-960-11	ELECT	1 μ F	20%	50V
C519	1-107-612-11	CERAMIC	100PF	5%	500V	C1351	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C520	1-164-646-11	CERAMIC	2200PF	10%	500V	C1355	1-163-009-11	CERAMIC CHIP	0.001 μ F	10%	50V
C521	1-163-010-11	CERAMIC CHIP	0.0012 μ F	10%	50V	C1356	1-126-964-11	ELECT	10 μ F	20%	50V
C522	1-126-960-11	ELECT	1 μ F	20%	50V	C1357	1-164-005-11	CERAMIC CHIP	0.47 μ F		16V
C525	1-102-244-00	CERAMIC	220PF	10%	500V	C1358	1-126-940-11	ELECT	330 μ F	20%	25V
C526	1-107-662-11	ELECT	22 μ F	20%	250V	C1359	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
C527	1-162-116-00	CERAMIC	680PF	10%	2KV	C1360	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
C528	1-164-161-11	CERAMIC CHIP	0.0022 μ F	10%	50V	C1361	1-163-241-11	CERAMIC CHIP	39PF	5%	50V
C529	1-128-551-11	ELECT	22 μ F	20%	25V	C1362	1-163-017-00	CERAMIC CHIP	0.0047 μ F	10%	50V
C530	1-137-366-11	MYLAR	0.0022 μ F	5%	50V	C1363	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
C531	1-126-965-11	ELECT	22 μ F	20%	50V	C1367	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
C532	1-126-965-11	ELECT	22 μ F	20%	50V	C1369	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
C534	1-126-967-11	ELECT	47 μ F	20%	50V	C1370	1-126-964-11	ELECT	10 μ F	20%	50V
C537	1-126-941-11	ELECT	470 μ F	20%	25V	C1371	1-163-017-00	CERAMIC CHIP	0.0047 μ F	10%	50V
C539	1-126-941-11	ELECT	470 μ F	20%	25V	C1372	1-163-017-00	CERAMIC CHIP	0.0047 μ F	10%	50V
C540	1-107-995-11	ELECT	100 μ F		160V	C1373	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C541	1-128-560-11	ELECT	22 μ F	20%	100V	C1501 Δ	1-107-846-11	FILM	0.1 μ F	5%	250V
C543	1-104-666-11	ELECT	220 μ F	20%	25V						
C544	1-129-718-00	FILM	0.022 μ F	5%	630V						
C545	1-106-387-00	MYLAR	0.068 μ F	10%	200V						
C546	1-104-987-11	MYLAR	0.001 μ F	10%	100V						
C547	1-104-987-11	MYLAR	0.001 μ F	10%	100V						

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Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CONNECTOR							
CN270 *	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P		D520	8-719-991-33	DIODE 1SS133T-77	
CN271 *	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P		D521	8-719-921-63	DIODE MTZJ-T-77-7.5X	
CN272 *	1-774-105-11	CONNECTOR, BOARD TO BOARD 15P		D522	8-719-991-33	DIODE 1SS133T-77	
CN302 *	1-508-784-00	PIN, CONNECTOR (5MM PITCH) 1P		D523	8-719-109-69	DIODE MTZJ-T-77-3.6B	
CN351 *	1-564-509-11	PLUG, CONNECTOR 6P		D524	8-719-109-97	DIODE MTZJ-T-77-6.8B	
CN501 *	1-580-798-11	CONNECTOR PIN (DY) 6P		D530 \triangle	8-719-081-01	DIODE ER204	
CN503 *	1-564-508-11	PLUG, CONNECTOR 5P		D531	8-719-081-01	DIODE ER204	
CN1001*	1-564-508-11	PLUG, CONNECTOR 5P		D534	8-719-075-41	DIODE PR1004GT	
CN1002*	1-564-506-11	PLUG, CONNECTOR 3P		D535	8-719-073-01	DIODE MA111-TX	
CN1102*	1-564-507-11	PLUG, CONNECTOR 4P		D536	1-216-295-11	SHORT	
CN1231*	1-564-512-11	PLUG, CONNECTOR 9P		D561	8-719-075-33	DIODE 1N4003GA	
CN1643	1-695-915-11	TAB (CONTACT)		D1003	8-719-110-17	DIODE MTZJ-T-77-10B	
CN1941*	1-564-511-11	PLUG, CONNECTOR 8P		D1004	8-719-110-17	DIODE MTZJ-T-77-10B	
CN1942*	1-564-508-11	PLUG, CONNECTOR 5P		D1101	8-719-110-17	DIODE MTZJ-T-77-10B	
DIODE				D1102	8-719-982-24	DIODE MTZJ-T-77-33A	
D001	8-719-991-33	DIODE 1SS133T-77		D1103	8-719-109-89	DIODE MTZJ-T-77-5.6C	
D002	8-719-109-89	DIODE MTZJ-T-77-5.6C		D1104	8-719-110-17	DIODE MTZJ-T-77-10B	
D003	8-719-991-33	DIODE 1SS133T-77		D1301	8-719-073-01	DIODE MA111-TX	
D006	8-719-081-27	DIODE P6KE6.8A		D1302	8-719-991-33	DIODE 1SS133T-77	
D012	8-719-991-33	DIODE 1SS133T-77		D1303	8-719-073-01	DIODE MA111-TX	
D013	8-719-991-33	DIODE 1SS133T-77		D1304	8-719-073-01	DIODE MA111-TX	
D016	8-719-991-33	DIODE 1SS133T-77		D1305	8-719-073-01	DIODE MA111-TX	
D018	8-719-073-01	DIODE MA111-TX		D1306	8-719-073-01	DIODE MA111-TX	
D019	8-719-073-01	DIODE MA111-TX		FERRITE BEAD			
D301	8-719-073-01	DIODE MA111-TX		FB501	1-410-397-21	FERRITE	1.1 μ H
D302	8-719-991-33	DIODE 1SS133T-77		FB502	1-410-397-21	FERRITE	1.1 μ H
D303	8-719-921-44	DIODE MTZJ-T-77-5.1C		FB503	1-410-397-21	FERRITE	1.1 μ H
D368	8-719-991-33	DIODE 1SS133T-77		IC			
D384	8-719-921-80	DIODE MTZJ-T-77-11B		IC001	8-759-667-71	IC M306V5ME-XXXSP	
D388	8-719-921-80	DIODE MTZJ-T-77-11B		IC002	8-759-562-42	IC CAT24WC08J-TE13	
D501	8-719-109-89	DIODE MTZJ-T-77-5.6C		IC003	8-759-352-91	IC PST9143NL	
D502	8-719-945-80	DIODE ERC06-15S		IC351	8-759-710-86	IC NJM2233BM(Te2)	
D503 \triangle	8-719-945-80	DIODE ERC06-15S		IC352	8-752-080-75	IC CXA2039M-T6	
D504	8-719-900-26	DIODE ERD29-08J		IC353	8-759-462-91	IC TA1226N	
D505	8-719-075-33	DIODE 1N4003GA		IC354	8-752-082-49	IC CXA2119M-T6	
D506	8-719-075-33	DIODE 1N4003GA		IC355 \triangle	8-752-098-79	IC CXA2131CS	
D507	8-719-991-33	DIODE 1SS133T-77		IC501	8-759-700-07	IC NJM2903M-TE2	
D510	8-719-300-33	DIODE ERB44-06TP1		IC561 \triangle	8-759-192-71	IC STV9379	
D511	8-719-970-87	DIODE ERA38-06TP1		IC1001	8-752-058-68	IC CXA1315M-T4	
D512	8-719-970-87	DIODE ERA38-06TP1		CHIP CONDUCTOR			
D513	8-719-110-41	DIODE MTZJ-T-77-15B		JR001	1-216-295-11	SHORT	
D515 \triangle	8-719-075-41	DIODE PR1004GT		JR002	1-216-295-11	SHORT	
D516	8-719-991-33	DIODE 1SS133T-77		JR003	1-216-295-11	SHORT	
D518	8-719-991-33	DIODE 1SS133T-77		JR004	1-216-049-11	RES-CHIP	1K 5% 1/10W
D519 \triangle	8-719-302-43	DIODE EL1Z-V1					

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
JR005	1-216-295-11	SHORT		Q310	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
JR051	1-216-295-11	SHORT		Q311	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
JR053	1-216-295-11	SHORT		Q313	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
JR054	1-216-295-11	SHORT		Q314	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
JR4120	1-216-295-11	SHORT					
COIL				Q351	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L001	1-414-857-11	INDUCTOR	100 μ H	Q352	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L002	1-414-857-11	INDUCTOR	100 μ H	Q359	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
L003	1-414-856-11	INDUCTOR	10 μ H	Q361	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L004	1-414-182-11	INDUCTOR	6.8 μ H	Q362	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L005	1-410-506-11	INDUCTOR	5.6 μ H	Q364	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
L006	1-410-506-11	INDUCTOR	5.6 μ H	Q369	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L007	1-410-506-11	INDUCTOR	5.6 μ H	Q370	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L301	1-414-857-11	INDUCTOR	100 μ H	Q501	8-729-140-50	TRANSISTOR 2SC3209LK-TP	
L302	1-414-856-11	INDUCTOR	10 μ H	Q502 \triangle	8-729-045-26	TRANSISTOR 2SD2580-YB	
L351	1-414-186-31	INDUCTOR	33 μ H	Q503	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L501	1-406-677-11	INDUCTOR	10mH	Q504	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L502	1-412-552-11	INDUCTOR	2.2mH	Q507	8-729-043-95	TRANSISTOR 2SC3840K	
L503	1-406-677-11	INDUCTOR	10mH	Q511 \triangle	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L504	1-419-754-11	INDUCTOR	10mH	Q512 \triangle	8-729-809-29	TRANSISTOR 2SC4159-E	
L505	1-419-713-21	INDUCTOR	68 μ H	Q561	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L511	1-411-189-11	INDUCTOR	15mH	Q562	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L517	1-412-552-11	INDUCTOR	2.2mH	Q1102	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA	
L1101	1-414-857-11	INDUCTOR	100 μ H	Q1103	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L1102	1-414-856-11	INDUCTOR	10 μ H	Q1301	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
L1351	1-414-856-11	INDUCTOR	10 μ H	Q1302	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
L1352	1-412-754-21	INDUCTOR	39 μ H	Q1303	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
TRANSISTOR				Q1352	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q001	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		Q1353	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
Q002	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		Q1354	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX	
Q003	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		RESISTOR			
Q004	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R001	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q005	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R002	1-249-417-11	CARBON	1K 5% 1/4W
Q006	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R003	1-216-097-11	RES-CHIP	100K 5% 1/10W
Q007	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R004	1-216-121-11	RES-CHIP	1M 5% 1/10W
Q008	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R005	1-216-033-00	RES-CHIP	220 5% 1/10W
Q009	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R006	1-216-033-00	RES-CHIP	220 5% 1/10W
Q016	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R007	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q103	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R008	1-216-033-00	RES-CHIP	220 5% 1/10W
Q104	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R009	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q301	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R010	1-216-041-00	RES-CHIP	470 5% 1/10W
Q303	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R011	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
Q304	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R012	1-216-033-00	RES-CHIP	220 5% 1/10W
Q305	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R013	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
Q306	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R014	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
Q307	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R015	1-216-073-00	RES-CHIP	10K 5% 1/10W
				R016	1-216-073-00	RES-CHIP	10K 5% 1/10W
				R019	1-249-425-11	CARBON	4.7K 5% 1/4W

A

Note:

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R020	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R076	1-216-033-00	RES-CHIP	220	5%	1/10W
R021	1-216-073-00	RES-CHIP	10K	5%	1/10W	R078	1-249-417-11	CARBON	1K	5%	1/4W
R022	1-249-429-11	CARBON	10K	5%	1/4W	R079	1-216-033-00	RES-CHIP	220	5%	1/10W
R023	1-249-437-11	CARBON	47K	5%	1/4W	R081	1-247-807-31	CARBON	100	5%	1/4W
R024	1-249-417-11	CARBON	1K	5%	1/4W	R082	1-247-807-31	CARBON	100	5%	1/4W
R025	1-216-041-00	RES-CHIP	470	5%	1/10W	R083	1-249-429-11	CARBON	10K	5%	1/4W
R026	1-216-121-11	RES-CHIP	1M	5%	1/10W	R085	1-249-425-11	CARBON	4.7K	5%	1/4W
R027	1-249-417-11	CARBON	1K	5%	1/4W	R086	1-216-073-00	RES-CHIP	10K	5%	1/10W
R028	1-249-429-11	CARBON	10K	5%	1/4W	R089	1-216-073-00	RES-CHIP	10K	5%	1/10W
R029	1-216-025-11	RES-CHIP	100	5%	1/10W	R090	1-249-409-11	CARBON	220	5%	1/4W
R030	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R096	1-216-033-00	RES-CHIP	220	5%	1/10W
R031	1-216-033-00	RES-CHIP	220	5%	1/10W	R097	1-249-425-11	CARBON	4.7K	5%	1/4W
R032	1-249-409-11	CARBON	220	5%	1/4W	R099	1-249-425-11	CARBON	4.7K	5%	1/4W
R033	1-249-425-11	CARBON	4.7K	5%	1/4W	R106	1-216-081-00	RES-CHIP	22K	5%	1/10W
R034	1-216-295-11	SHORT				R107	1-216-081-00	RES-CHIP	22K	5%	1/10W
R035	1-216-041-00	RES-CHIP	470	5%	1/10W	R108	1-216-081-00	RES-CHIP	22K	5%	1/10W
R036	1-249-417-11	CARBON	1K	5%	1/4W	R109	1-216-081-00	RES-CHIP	22K	5%	1/10W
R037	1-249-417-11	CARBON	1K	5%	1/4W	R302	1-208-291-11	RES-CHIP	4.7M	5%	1/10W
R038	1-249-417-11	CARBON	1K	5%	1/4W	R304	1-216-033-00	RES-CHIP	220	5%	1/10W
R040	1-249-409-11	CARBON	220	5%	1/4W	R305	1-249-409-11	CARBON	220	5%	1/4W
R041	1-216-295-11	SHORT				R306	1-249-409-11	CARBON	220	5%	1/4W
R043	1-249-409-11	CARBON	220	5%	1/4W	R307	1-216-295-11	SHORT			
R044	1-249-417-11	CARBON	1K	5%	1/4W	R309	1-216-295-11	SHORT			
R045	1-216-033-00	RES-CHIP	220	5%	1/10W	R311	1-216-073-00	RES-CHIP	10K	5%	1/10W
R046	1-216-033-00	RES-CHIP	220	5%	1/10W	R313	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R047	1-216-049-11	RES-CHIP	1K	5%	1/10W	R314	1-216-073-00	RES-CHIP	10K	5%	1/10W
R048	1-249-417-11	CARBON	1K	5%	1/4W	R315	1-216-073-00	RES-CHIP	10K	5%	1/10W
R049	1-249-417-11	CARBON	1K	5%	1/4W	R316	1-216-073-00	RES-CHIP	10K	5%	1/10W
R052	1-216-049-11	RES-CHIP	1K	5%	1/10W	R319	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R053	1-216-025-11	RES-CHIP	100	5%	1/10W	R320	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R055	1-216-097-11	RES-CHIP	100K	5%	1/10W	R321	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R056	1-249-409-11	CARBON	220	5%	1/4W	R325	1-216-033-00	RES-CHIP	220	5%	1/10W
R057	1-216-049-11	RES-CHIP	1K	5%	1/10W	R326	1-216-085-00	RES-CHIP	33K	5%	1/10W
R060	1-216-073-00	RES-CHIP	10K	5%	1/10W	R327	1-216-033-00	RES-CHIP	220	5%	1/10W
R061	1-216-073-00	RES-CHIP	10K	5%	1/10W	R330	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R062	1-216-073-00	RES-CHIP	10K	5%	1/10W	R331	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R063	1-216-073-00	RES-CHIP	10K	5%	1/10W	R332	1-216-033-00	RES-CHIP	220	5%	1/10W
R064	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R334	1-216-033-00	RES-CHIP	220	5%	1/10W
R065	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R335	1-216-033-00	RES-CHIP	220	5%	1/10W
R066	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R336	1-216-049-11	RES-CHIP	1K	5%	1/10W
R067	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R337	1-216-347-11	METAL OXIDE	0.68	5%	1W
R068	1-249-429-11	CARBON	10K	5%	1/4W	R340	1-216-105-91	RES-CHIP	220K	5%	1/10W
R069	1-249-429-11	CARBON	10K	5%	1/4W	R341	1-216-073-00	RES-CHIP	10K	5%	1/10W
R070	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R342	1-216-097-11	RES-CHIP	100K	5%	1/10W
R071	1-249-409-11	CARBON	220	5%	1/4W	R343	1-216-093-91	RES-CHIP	68K	5%	1/10W
R072	1-216-033-00	RES-CHIP	220	5%	1/10W	R344	1-216-073-00	RES-CHIP	10K	5%	1/10W
R073	1-249-409-11	CARBON	220	5%	1/4W	R346	1-216-023-00	RES-CHIP	82	5%	1/10W
R074	1-216-033-00	RES-CHIP	220	5%	1/10W	R347	1-216-041-00	RES-CHIP	470	5%	1/10W
R075	1-249-409-11	CARBON	220	5%	1/4W	R348	1-216-033-00	RES-CHIP	220	5%	1/10W

Note:

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Note:

The components identified by \boxtimes in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding x-ray radiation. Should replacement be required, replace only with the value originally used.

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R349	1-216-041-00	RES-CHIP	470 5% 1/10W	R528	1-208-814-91	METAL CHIP	22K 0.50% 1/10W
R350	1-247-807-31	CARBON	100 5% 1/4W	R529	1-208-814-91	METAL CHIP	22K 0.50% 1/10W
R352	1-216-073-00	RES-CHIP	10K 5% 1/10W	\boxtimes R530 \triangle	1-208-808-11	METAL CHIP	12K 0.50% 1/10W
R353	1-216-295-11	SHORT		\boxtimes R531 \triangle	1-216-091-00	RES-CHIP	56K 5% 1/10W
				R532	1-208-760-11	METAL CHIP	120 0.50% 1/10W
R354	1-216-073-00	RES-CHIP	10K 5% 1/10W	R533	1-215-902-11	METAL OXIDE	47K 5% 1W
R355	1-216-069-00	RES-CHIP	6.8K 5% 1/10W	R536 \triangle	1-260-288-11	CARBON	0.47 5% 1/2W
R356	1-216-025-11	RES-CHIP	100 5% 1/10W	R537 \triangle	1-260-288-11	CARBON	0.47 5% 1/2W
R358	1-216-295-11	SHORT		R538	1-247-887-00	CARBON	220K 5% 1/4W
R359	1-216-073-00	RES-CHIP	10K 5% 1/10W	R539	1-215-891-11	METAL OXIDE	680 5% 2W
R360	1-249-409-11	CARBON	220 5% 1/4W	R540	1-208-826-11	METAL CHIP	68K 0.50% 1/10W
R361	1-216-049-11	RES-CHIP	1K 5% 1/10W	R541	1-215-922-11	METAL OXIDE	6.8K 5% 3W
R362	1-216-073-00	RES-CHIP	10K 5% 1/10W	R542	1-215-921-11	METAL OXIDE	4.7K 5% 3W
R370	1-216-049-11	RES-CHIP	1K 5% 1/10W	R543 \triangle	1-249-377-11	CARBON	0.47 5% 1/4W
R372	1-216-097-11	RES-CHIP	100K 5% 1/10W	R544	1-216-113-00	RES-CHIP	470K 5% 1/10W
R373	1-216-121-11	RES-CHIP	1M 5% 1/10W	R545 \triangle	1-249-387-11	CARBON	3.3 5% 1/4W
R374	1-216-041-00	RES-CHIP	470 5% 1/10W	R546	1-215-453-00	METAL	22K 1% 1/4W
R375	1-216-049-11	RES-CHIP	1K 5% 1/10W	R547	1-215-457-00	METAL	33K 1% 1/4W
R376	1-216-025-11	RES-CHIP	100 5% 1/10W	R548	1-215-921-11	METAL OXIDE	4.7K 5% 3W
R378	1-216-083-00	RES-CHIP	27K 5% 1/10W	R549	1-215-437-00	METAL	4.7K 1% 1/4W
R383	1-216-025-11	RES-CHIP	100 5% 1/10W	R550 \triangle	1-249-377-11	CARBON	0.47 5% 1/4W
R384	1-216-037-00	RES-CHIP	330 5% 1/10W	R551	1-215-873-00	METAL OXIDE	4.7K 5% 1W
R385	1-249-425-11	CARBON	4.7K 5% 1/4W	R552	1-216-455-21	METAL OXIDE	560 5% 2W
R386	1-249-429-11	CARBON	10K 5% 1/4W	R553 \triangle	1-260-288-11	CARBON	0.47 5% 1/2W
R387	1-216-037-00	RES-CHIP	330 5% 1/10W	R554	1-215-894-11	METAL OXIDE	2.2K 5% 2W
R398	1-216-095-00	RES-CHIP	82K 5% 1/10W	R555	1-249-441-11	CARBON	100K 5% 1/4W
R501	1-216-041-00	RES-CHIP	470 5% 1/10W	R556	1-249-441-11	CARBON	100K 5% 1/4W
R502	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R557	1-249-441-11	CARBON	100K 5% 1/4W
R503	1-249-425-11	CARBON	4.7K 5% 1/4W	R559	1-216-017-91	RES-CHIP	47 5% 1/10W
R504	1-216-455-21	METAL OXIDE	560 5% 2W	R560	1-215-922-11	METAL OXIDE	6.8K 5% 3W
R505	1-249-433-11	CARBON	22K 5% 1/4W	R561	1-208-806-11	METAL CHIP	10K 0.50% 1/10W
R506	1-215-861-00	METAL OXIDE	47 5% 1W	R563	1-214-798-21	METAL	1.8 1% 1/2W
R507	1-249-401-11	CARBON	47 5% 1/4W	R565	1-215-889-00	METAL OXIDE	330 5% 2W
R508	1-249-425-11	CARBON	4.7K 5% 1/4W	R566	1-208-802-11	METAL CHIP	6.8K 0.50% 1/10W
R509	1-260-328-11	CARBON	1K 5% 1/2W	R567 \triangle	1-249-385-11	CARBON	2.2 5% 1/4W
R510 \triangle	1-215-883-11	METAL OXIDE	33 5% 2W	R568	1-208-802-11	METAL CHIP	6.8K 0.50% 1/10W
R512	1-215-910-00	METAL OXIDE	68 5% 3W	R569	1-208-806-11	METAL CHIP	10K 0.50% 1/10W
R514	1-216-081-00	RES-CHIP	22K 5% 1/10W	R570	1-216-097-11	RES-CHIP	100K 5% 1/10W
R515	1-208-812-11	METAL CHIP	18K 0.50% 1/10W	R571	1-216-081-00	RES-CHIP	22K 5% 1/10W
R516	1-208-790-11	METAL CHIP	2.2K 0.50% 1/10W	R572	1-216-081-00	RES-CHIP	22K 5% 1/10W
R517	1-249-417-11	CARBON	1K 5% 1/4W	R573	1-216-097-11	RES-CHIP	100K 5% 1/10W
R518	1-216-073-00	RES-CHIP	10K 5% 1/10W	R574	1-214-798-21	METAL	1.8 1% 1/2W
R519	1-249-413-11	CARBON	470 5% 1/4W	R576	1-215-905-11	METAL OXIDE	10 5% 3W
R520	1-215-907-11	METAL OXIDE	22 5% 3W	R577	1-216-049-11	RES-CHIP	1K 5% 1/10W
R521	1-216-081-00	RES-CHIP	22K 5% 1/10W	R578	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R523	1-208-808-11	METAL CHIP	12K 0.50% 1/10W	R580	1-249-441-11	CARBON	100K 5% 1/4W
R524	1-249-429-11	CARBON	10K 5% 1/4W	R581	1-247-887-00	CARBON	220K 5% 1/4W
R525	1-208-804-11	METAL CHIP	8.2K 0.50% 1/10W	R582	1-249-421-11	CARBON	2.2K 5% 1/4W
R526	1-215-905-11	METAL OXIDE	10 5% 3W	R1001	1-247-807-31	CARBON	100 5% 1/4W
R527	1-216-097-11	RES-CHIP	100K 5% 1/10W				

**Note:**

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1002	1-247-807-31	CARBON	100 5% 1/4W	R1337	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1003	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1358	1-216-025-11	RES-CHIP	100 5% 1/10W
R1005	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1359	1-216-025-11	RES-CHIP	100 5% 1/10W
R1006	1-216-025-11	RES-CHIP	100 5% 1/10W	R1360	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1007	1-216-025-11	RES-CHIP	100 5% 1/10W	R1361	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1011	1-249-387-11	CARBON	3.3 5% 1/4W	R1362	1-216-113-00	RES-CHIP	470K 5% 1/10W
				R1363	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R1012	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1364	1-216-097-11	RES-CHIP	100K 5% 1/10W
R1030	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1365	1-216-089-11	RES-CHIP	47K 5% 1/10W
R1031	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1366	1-216-107-00	RES-CHIP	270K 5% 1/10W
R1101	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1369	1-216-093-91	RES-CHIP	68K 5% 1/10W
R1102	1-215-900-11	METAL OXIDE	22K 5% 2W	R1371	1-216-295-11	SHORT	
R1103	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1373	1-216-025-11	RES-CHIP	100 5% 1/10W
R1104	1-216-081-00	RES-CHIP	22K 5% 1/10W	R1374	1-216-089-11	RES-CHIP	47K 5% 1/10W
R1105	1-216-085-00	RES-CHIP	33K 5% 1/10W	R1385	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1106	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1387	1-249-429-11	CARBON	10K 5% 1/4W
R1107	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1389	1-216-025-11	RES-CHIP	100 5% 1/10W
R1108	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1390	1-249-417-11	CARBON	1K 5% 1/4W
R1109	1-216-025-11	RES-CHIP	100 5% 1/10W	R1391	1-216-081-00	RES-CHIP	22K 5% 1/10W
R1110	1-216-025-11	RES-CHIP	100 5% 1/10W	R1392	1-216-081-00	RES-CHIP	22K 5% 1/10W
R1113	1-249-417-11	CARBON	1K 5% 1/4W	R1395	1-216-049-11	RES-CHIP	1K 5% 1/10W
R1114	1-249-417-11	CARBON	1K 5% 1/4W	R1397	1-216-025-11	RES-CHIP	100 5% 1/10W
R1115	1-216-041-00	RES-CHIP	470 5% 1/10W	R1398	1-216-033-00	RES-CHIP	220 5% 1/10W
R1117	1-249-425-11	CARBON	4.7K 5% 1/4W				
R1118	1-249-425-11	CARBON	4.7K 5% 1/4W				
R1123	1-216-037-00	RES-CHIP	330 5% 1/10W				
R1128	1-216-037-00	RES-CHIP	330 5% 1/10W				
R1129	1-216-295-11	SHORT					
R1301	1-249-401-11	CARBON	47 5% 1/4W				
R1302	1-249-401-11	CARBON	47 5% 1/4W				
R1303	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
R1304	1-216-051-00	RES-CHIP	1.2K 5% 1/10W				
R1305	1-216-051-00	RES-CHIP	1.2K 5% 1/10W				
R1306	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R1313	1-216-295-11	SHORT					
R1314	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R1315	1-216-025-11	RES-CHIP	100 5% 1/10W				
R1316	1-216-091-00	RES-CHIP	56K 5% 1/10W				
R1317	1-216-105-91	RES-CHIP	220K 5% 1/10W				
R1318	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
R1319	1-260-290-71	CARBON	0.68 5% 1/2W				
R1320	1-216-073-00	RES-CHIP	10K 5% 1/10W				
R1321	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
R1322	1-216-047-91	RES-CHIP	820 5% 1/10W				
R1323	1-216-049-11	RES-CHIP	1K 5% 1/10W				
R1324	1-216-295-11	SHORT					
R1325	1-216-057-00	RES-CHIP	2.2K 5% 1/10W				
R133	1-216-037-00	RES-CHIP	330 5% 1/10W				
R1330	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				
R1333	1-216-065-91	RES-CHIP	4.7K 5% 1/10W				

SWITCH

S501	1-572-707-11	SWITCH, LEVER
S502	1-572-707-11	SWITCH, LEVER

TRANSFORMER

T501	1-437-195-11	TRANSFORMER, HORIZONTAL DRIVE
T502	A 1-426-981-11	TRANSFORMER, FERRITE (PMT)
T503	A 1-453-338-21	FBT ASSY, NX-4600
T504	A 1-424-584-11	TRANSFORMER, DYNAMIC FOCUS
T505	A 1-435-098-11	TRANSFORMER, HORIZONTAL LINEAR

THERMISTOR

TH501	1-800-193-00	THERMISTOR
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TUNER

TU102	A 8-598-542-20	TUNER, FSS BTF-WA412
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CRYSTAL

X001	1-767-686-21	VIBRATOR, CRYSTAL
X302	1-567-505-11	OSCILLATOR, CRYSTAL

Note:

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AK

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
<div>AK</div>						C1412	1-163-037-11	CERAMIC CHIP	0.022μF	10%	50V
						C1413	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
						C1414	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
						C1415	1-126-959-11	ELECT	0.47μF	20%	50V
* A-1299-281-A	AK COMPLETE PC BOARD (KV-32FV16/34FV16/34FV16C ONLY)					C1416	1-126-963-11	ELECT	4.7μF	20%	50V
* A-1299-282-A	AK COMPLETE PC BOARD (KV-32FV26/34FX260/34FX260C ONLY)					C1417	1-126-959-11	ELECT	0.47μF	20%	50V
						C1420	1-163-037-11	CERAMIC CHIP	0.022μF	10%	50V
						C1421	1-126-963-11	ELECT	4.7μF	20%	50V
						C1422	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V
						C1426	1-126-941-11	ELECT	470μF	20%	25V
						C1428	1-126-963-11	ELECT	4.7μF	20%	50V
						C1429	1-126-963-11	ELECT	4.7μF	20%	50V
						C1450	1-126-963-11	ELECT	4.7μF	20%	50V
CAPACITOR						C1451	1-126-963-11	ELECT	4.7μF	20%	50V
C101	1-126-960-11	ELECT	1μF	20%	50V	C1452	1-163-986-00	CERAMIC CHIP	0.027μF	10%	25V
C102	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V	C1461	1-126-960-11	ELECT	1μF	20%	50V
C104	1-126-964-11	ELECT	10μF	20%	50V	C1462	1-126-960-11	ELECT	1μF	20%	50V
C106	1-104-664-11	ELECT	47μF	20%	25V	C1464	1-163-038-11	CERAMIC CHIP	0.1μF		25V
C108	1-126-942-61	ELECT	1000μF	20%	25V	C1465	1-126-960-11	ELECT	1μF	20%	50V
C109	1-163-259-91	CERAMIC CHIP	220PF	5%	50V	C1467	1-104-666-11	ELECT	220μF	20%	25V
C110	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	C1468	1-126-960-11	ELECT	1μF	20%	50V
C111	1-126-960-11	ELECT	1μF	20%	50V	C1470	1-126-960-11	ELECT	1μF	20%	50V
C113	1-104-666-11	ELECT	220μF	20%	25V	C1471	1-136-165-00	FILM	0.1μF	5%	50V
C115	1-126-960-11	ELECT	1μF	20%	50V	C1472	1-137-194-81	FILM	0.47μF	5%	50V
C175	1-126-941-11	ELECT	470μF	20%	25V	C1473	1-128-550-11	ELECT	2200μF	20%	50V
C440	1-126-965-11	ELECT	22μF	20%	50V	C1474	1-136-165-00	FILM	0.1μF	5%	50V
C441	1-163-038-11	CERAMIC CHIP	0.1μF		25V	C1475	1-128-550-11	ELECT	2200μF	20%	50V
C442	1-126-960-11	ELECT	1μF	20%	50V	C1476	1-128-550-11	ELECT	2200μF	20%	50V
C443	1-163-038-11	CERAMIC CHIP	0.1μF		25V	C1477	1-126-971-11	ELECT	470μF	20%	50V
C444	1-164-346-11	CERAMIC CHIP	1μF		16V	C1478	1-126-971-11	ELECT	470μF	20%	50V
C445	1-163-038-11	CERAMIC CHIP	0.1μF		25V	C1904	1-102-129-00	CERAMIC	0.01μF	10%	50V
C446	1-164-346-11	CERAMIC CHIP	1μF		16V	C1905	1-126-964-11	ELECT	10μF	20%	50V
C447	1-107-823-11	CERAMIC CHIP	0.47μF	10%	16V	C1906	1-102-129-00	CERAMIC	0.01μF	10%	50V
C448	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V	C1907	1-126-964-11	ELECT	10μF	20%	50V
C449	1-107-823-11	CERAMIC CHIP	0.47μF	10%	16V	C1908	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C453	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V	C1909	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C454	1-163-133-00	CERAMIC CHIP	470PF	5%	50V	C1910	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C455	1-163-038-11	CERAMIC CHIP	0.1μF		25V	C1911	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C456	1-163-023-00	CERAMIC CHIP	0.015μF	10%	50V	C1912	1-163-009-11	CERAMIC CHIP	0.001μF	10%	50V
C457	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V	CONNECTOR					
C1401	1-126-963-11	ELECT	4.7μF	20%	50V	CN1462*	1-564-507-11	PLUG, CONNECTOR 4P			
C1402	1-126-968-11	ELECT	100μF	20%	50V	CN1463*	1-564-509-11	PLUG, CONNECTOR 6P			
C1403	1-126-963-11	ELECT	4.7μF	20%	50V	CN1464*	1-764-333-11	PLUG, CONNECTOR 10P			
C1404	1-126-960-11	ELECT	1μF	20%	50V	CN1465*	1-564-507-11	PLUG, CONNECTOR 4P (KV-32FV26/34FX260/34FX260C ONLY)			
C1405	1-126-960-11	ELECT	1μF	20%	50V	CN1466*	1-564-515-11	PLUG, CONNECTOR 12P			
C1406	1-164-004-11	CERAMIC CHIP	0.1μF	10%	25V	CN1467*	1-564-510-11	PLUG, CONNECTOR 7P			
C1407	1-163-989-11	CERAMIC CHIP	0.033μF	10%	25V	CN1468	1-695-915-11	TAB (CONTACT)			
C1408	1-163-989-11	CERAMIC CHIP	0.033μF	10%	25V						
C1409	1-164-182-11	CERAMIC CHIP	0.0033μF	10%	50V						
C1410	1-163-017-00	CERAMIC CHIP	0.0047μF	10%	50V						
C1411	1-164-182-11	CERAMIC CHIP	0.0033μF	10%	50V						

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
DIODE							
D101	8-719-109-89	DIODE MTZJ-T-77-5.6C		Q1902	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
D103	8-719-991-33	DIODE 1SS133T-77		Q1903	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
D104	8-719-991-33	DIODE 1SS133T-77		Q1918	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX	
D105	8-719-991-33	DIODE 1SS133T-77		RESISTOR			
D106	8-719-991-33	DIODE 1SS133T-77		R101	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
D107	8-719-991-33	DIODE 1SS133T-77		R102	1-216-085-00	RES-CHIP	33K 5% 1/10W
D108	8-719-110-17	DIODE MTZJ-T-77-10B		R103	1-216-081-00	RES-CHIP	22K 5% 1/10W
D109	8-719-110-17	DIODE MTZJ-T-77-10B		R104	1-216-049-11	RES-CHIP	1K 5% 1/10W
D1461	8-719-991-33	DIODE 1SS133T-77		R112	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
D1463	8-719-991-33	DIODE 1SS133T-77		R113	1-216-097-11	RES-CHIP	100K 5% 1/10W
D1466	8-719-991-33	DIODE 1SS133T-77		R114	1-216-121-11	RES-CHIP	1M 5% 1/10W
D1467	8-719-924-13	DIODE MTZJ-T-77-22B		R115	1-216-073-00	RES-CHIP	10K 5% 1/10W
D1468	8-719-924-13	DIODE MTZJ-T-77-22B		R116	1-216-073-00	RES-CHIP	10K 5% 1/10W
D1469	8-719-991-33	DIODE 1SS133T-77		R117	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
IC				R118	1-208-774-11	METAL CHIP	470 0.50% 1/10W
IC1401	8-759-578-88	IC BH3868FS-E2		R119	1-208-776-11	METAL CHIP	560 0.50% 1/10W
IC1402	8-759-100-96	IC NJM4558M-TE2		R440	1-216-049-11	RES-CHIP	1K 5% 1/10W
IC1403	8-759-537-26	IC TDA7467D013TR		R441	1-216-100-00	RES-CHIP	130K 5% 1/10W
IC1461 \triangle	8-759-246-70	IC TA8216H		R442	1-216-088-00	RES-CHIP	43K 5% 1/10W
IC1901	8-752-058-68	IC CXA1315M-T4		R443	1-216-053-00	RES-CHIP	1.5K 5% 1/10W
IC1902	8-759-470-63	IC NJM2145M-TE2		R444	1-216-089-11	RES-CHIP	47K 5% 1/10W
CHIP CONDUCTOR				R445	1-216-085-00	RES-CHIP	33K 5% 1/10W
JR1901	1-216-295-11	SHORT		R446	1-216-063-91	RES-CHIP	3.9K 5% 1/10W
JR1902	1-216-295-11	SHORT		R450	1-216-073-00	RES-CHIP	10K 5% 1/10W
COIL				(KV-32FV26/34FX260/34FX260C ONLY)			
L102	1-414-856-11	INDUCTOR	10 μ H	R1403	1-216-121-11	RES-CHIP	1M 5% 1/10W
L105	1-414-857-11	INDUCTOR	100 μ H	R1404	1-216-295-11	SHORT	
L1401	1-414-857-11	INDUCTOR	100 μ H	R1408	1-216-295-11	SHORT	
IC LINK				R1409	1-216-295-11	SHORT	
PS1461 \triangle	1-532-984-11	LINK, IC 2A/90V		R1406	1-216-121-11	RES-CHIP	1M 5% 1/10W
TRANSISTOR				R1407	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q101	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R1410	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q105	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R1411	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q106	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R1412	1-216-089-11	RES-CHIP	47K 5% 1/10W
Q451	8-729-140-97	TRANSISTOR 2SB734-T-34 (KV-32FV26/34FX260/34FX260C ONLY)		R1413	1-216-089-11	RES-CHIP	47K 5% 1/10W
Q1461	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R1415	1-216-025-11	RES-CHIP	100 5% 1/10W
Q1462	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R1416	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q1463	8-729-900-53	TRANSISTOR DTC114EKA-T146		R1417	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q1464	8-729-900-53	TRANSISTOR DTC114EKA-T146		R1418	1-216-089-11	RES-CHIP	47K 5% 1/10W
				R1421	1-216-025-11	RES-CHIP	100 5% 1/10W
				R1422	1-216-033-00	RES-CHIP	220 5% 1/10W
				R1423	1-216-033-00	RES-CHIP	220 5% 1/10W
				R1424	1-216-073-00	RES-CHIP	10K 5% 1/10W
				R1425	1-216-073-00	RES-CHIP	10K 5% 1/10W
				R1427	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
				R1458	1-216-033-00	RES-CHIP	220 5% 1/10W
				R1459	1-216-033-00	RES-CHIP	220 5% 1/10W
				R1461	1-216-057-00	RES-CHIP	2.2K 5% 1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1462	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1464	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1465	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1466	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1467	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1469	1-249-389-11	CARBON	4.7	5%	1/4W
R1470	1-249-389-11	CARBON	4.7	5%	1/4W
R1471	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1472	1-216-077-91	RES-CHIP	15K	5%	1/10W
R1473	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1474	1-216-025-11	RES-CHIP	100	5%	1/10W
R1475	1-216-025-11	RES-CHIP	100	5%	1/10W
R1480	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1481	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1482	1-216-295-11	SHORT			
R1483	1-216-295-11	SHORT			
R1902	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1904	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1906	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1907	1-216-033-00	RES-CHIP	220	5%	1/10W
R2904	1-216-033-00	RES-CHIP	220	5%	1/10W
R2905	1-216-033-00	RES-CHIP	220	5%	1/10W
R2909	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2910	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2912	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2913	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2914	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2915	1-216-073-00	RES-CHIP	10K	5%	1/10W
R2916	1-216-073-00	RES-CHIP	10K	5%	1/10W

TUNER

TU101 \triangle 8-598-501-30 TUNER, FSS BTF-FA402



* A-1331-942-A C (VAR) MOUNTED PC BOARD

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C1750	1-137-528-11	MYLAR	0.1 μ F	10%	250V
C1751	1-107-655-11	ELECT	47 μ F	20%	250V
C1790	1-102-129-00	CERAMIC	0.01 μ F	10%	50V
C1791	1-126-968-11	ELECT	100 μ F	20%	50V
C1792	1-102-116-00	CERAMIC	680PF	10%	50V

C1794	1-107-651-11	ELECT	4.7 μ F	20%	250V
C1795	1-102-074-00	CERAMIC	0.001 μ F	10%	50V
C1799	1-162-114-00	CERAMIC	0.0047 μ F		2KV

CONNECTOR

CN1761*	1-564-509-11	PLUG, CONNECTOR	6P		
CN1764*	1-564-508-11	PLUG, CONNECTOR	5P		
CN1766	1-695-915-11	TAB (CONTACT)			

DIODE

D1790	8-719-991-33	DIODE 1SS133T-77			
D1791	8-719-075-33	DIODE 1N4003GA			
D1792	8-719-075-33	DIODE 1N4003GA			
D1793	8-719-075-33	DIODE 1N4003GA			
D1794	8-719-075-33	DIODE 1N4003GA			

IC

IC1701 \triangle 8-759-562-43 IC TDA6108JF/N1B

JACK

J1761 \triangle 1-251-797-11 SOCKET, CRT

COIL

L1790 1-412-537-31 INDUCTOR 100 μ H

TRANSISTOR

Q1790 8-729-119-76 TRANSISTOR 2SA1309A-QRSTA

RESISTOR

R1750	1-247-870-11	CARBON	43K	5%	1/4W
R1751	1-249-409-11	CARBON	220	5%	1/4W
R1752	1-249-409-11	CARBON	220	5%	1/4W
R1753 \triangle	1-249-409-11	CARBON	220	5%	1/4W
R1763	1-260-099-11	CARBON	1K	5%	1/2W
R1764	1-247-807-31	CARBON	100	5%	1/4W
R1773	1-260-099-11	CARBON	1K	5%	1/2W
R1774	1-247-807-31	CARBON	100	5%	1/4W
R1783	1-260-099-11	CARBON	1K	5%	1/2W
R1784	1-247-807-31	CARBON	100	5%	1/4W
R1788	1-216-349-00	METAL OXIDE	1	5%	1W
R1789	1-249-437-11	CARBON	47K	5%	1/4W
R1792	1-249-409-11	CARBON	220	5%	1/4W
R1793	1-247-866-11	CARBON	30K	5%	1/4W

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R1794	1-260-132-11	CARBON	560K 5% 1/2W	C644	1-126-941-11	ELECT	470 μ F 20% 25V
R1795	1-260-087-11	CARBON	100 5% 1/2W	C647	1-104-665-11	ELECT	100 μ F 20% 25V
R1796 \triangle	1-216-373-11	METAL OXIDE	2.2 5% 2V	C650	1-104-664-11	ELECT	47 μ F 20% 25V
R1797	1-260-123-11	CARBON	100K 5% 1/2W	C651	1-130-477-00	MYLAR	0.0033 μ F 5% 50V
VARIABLE RESISTOR				C652	1-106-351-00	MYLAR	0.0022 μ F 20% 200V
RV1761	1-241-714-11	RES, ADJ, METAL FILM 110M		C653	1-107-636-11	ELECT	10 μ F 20% 160V
G				C656	1-126-964-11	ELECT	10 μ F 20% 50V
* A-1316-397-A G COMPLETE PC BOARD (KV-32FV16/32FV26 ONLY)				C657	1-136-165-00	FILM	0.1 μ F 5% 50V
1-533-223-11 HOLDER, FUSE				C658	1-126-941-11	ELECT	470 μ F 20% 25V
4-382-854-11 SCREW (M3X10), P, SW (+)				C660	1-126-936-11	ELECT	3300 μ F 20% 16V
CAPACITOR				C661	1-104-664-11	ELECT	47 μ F 20% 25V
C601	1-136-346-21	MYLAR	0.22 μ F 20% 125V	C662	1-126-933-11	ELECT	100 μ F 20% 16V
C602	1-126-964-11	ELECT	10 μ F 20% 50V	C665	1-104-664-11	ELECT	47 μ F 20% 25V
C603 \triangle	1-127-790-51	CERAMIC	1000PF 20% 250V	C695	1-164-625-11	CERAMIC	680PF 10% 500V
C604 \triangle	1-136-346-21	MYLAR	0.22 μ F 20% 125V	C696	1-164-625-11	CERAMIC	680PF 10% 500V
C605 \triangle	1-136-346-21	MYLAR	0.22 μ F 20% 125V	C697	1-164-625-11	CERAMIC	680PF 10% 500V
C606 \triangle	1-117-894-11	ELECT	560 μ F 20% 250V	C698	1-164-625-11	CERAMIC	680PF 10% 500V
C607 \triangle	1-117-894-11	ELECT	560 μ F 20% 250V	C699	1-136-169-00	FILM	0.22 μ F 5% 50V
C608	1-107-824-11	CERAMIC	220PF 5% 1KV	CONNECTOR			
C609	1-136-176-00	FILM	0.82 μ F 5% 50V	CN601 *	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
C610	1-136-176-00	FILM	0.82 μ F 5% 50V	CN602 *	1-580-844-11	PIN, CONNECTOR (POWER)	
C611	1-136-169-00	FILM	0.22 μ F 5% 50V	CN603 *	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P	
C612	1-136-169-00	FILM	0.22 μ F 5% 50V	CN641 *	1-564-515-11	PLUG, CONNECTOR 12P	
C613	1-164-646-11	CERAMIC	2200PF 10% 500V	CN642 *	1-564-509-11	PLUG, CONNECTOR 6P	
C614	1-126-963-11	ELECT	4.7 μ F 20% 50V	CN645	1-695-915-11	TAB (CONTACT)	
C615	1-117-976-11	FILM	0.039 μ F 5% 800V	CN646	1-695-915-11	TAB (CONTACT)	
C616 \triangle	1-127-790-51	CERAMIC	1000PF 20% 250V	DIODE			
C617	1-126-967-11	ELECT	47 μ F 20% 50V	D600	8-719-991-33	DIODE 1SS133T-77	
C618	1-126-968-11	ELECT	100 μ F 20% 50V	D601	8-719-991-33	DIODE 1SS133T-77	
C624	1-126-960-11	ELECT	1 μ F 20% 50V	D602 \triangle	8-719-510-53	DIODE D4SB60L-F	
C629 \triangle	1-107-652-11	ELECT	10 μ F 20% 250V	D603	8-719-063-70	DIODE D1NL20U-TA2	
C630	1-130-471-00	MYLAR	0.001 μ F 5% 50V	D604	8-719-991-33	DIODE 1SS133T-77	
C631	1-137-605-11	MYLAR	0.01 μ F 10% 250V	D605	8-719-923-83	DIODE MTZJ-T-77-13A	
C633	1-130-471-00	MYLAR	0.001 μ F 5% 50V	D606	8-719-110-60	DIODE MTZJ-T-77-24B	
C634	1-130-467-00	MYLAR	470PF 5% 50V	D607	8-719-109-97	DIODE MTZJ-T-77-6.8B	
C635	1-130-471-00	MYLAR	0.001 μ F 5% 50V	D608	8-719-109-97	DIODE MTZJ-T-77-6.8B	
C636	1-126-965-11	ELECT	22 μ F 20% 50V	D612	8-719-991-33	DIODE 1SS133T-77	
C637	1-126-940-11	ELECT	330 μ F 20% 25V	D613	8-719-991-33	DIODE 1SS133T-77	
C641	1-128-550-11	ELECT	2200 μ F 20% 50V	D614	8-719-991-33	DIODE 1SS133T-77	
C643	1-107-995-11	ELECT	100 μ F 160V	D621	8-719-911-55	DIODE ERC04-06S	
				D622	8-719-911-55	DIODE ERC04-06S	
				D623	8-719-948-45	DIODE ERA22-08TP3	
				D624	8-719-991-33	DIODE 1SS133T-77	
				D625	8-719-991-33	DIODE 1SS133T-77	
				D626	8-719-109-93	DIODE MTZJ-T-77-6.2C	
				D627	8-719-510-48	DIODE D1N20R-TA	

Note:

Les composants identifiés par un trame et une marque  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.

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**Note:**

The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK		
R644	1-249-417-11	CARBON	1K 5% 1/4W	<div>GA</div>	*	A-1316-470-A	GA COMPLETE PC BOARD (KV-34FV16/34FV16C/34FX260/34FX260C ONLY)		
R645	1-249-429-11	CARBON	10K 5% 1/4W						
R646	1-249-417-11	CARBON	1K 5% 1/4W						
R648	1-249-441-11	CARBON	100K 5% 1/4W						
R649	1-249-425-11	CARBON	4.7K 5% 1/4W						
R650	1-249-421-11	CARBON	2.2K 5% 1/4W						
R652	1-216-363-00	METAL OXIDE	0.33 5% 2W						
R653	1-215-423-00	METAL	1.2K 1% 1/4W						
R654	1-215-481-00	METAL	330K 1% 1/4W						
R655	1-215-469-00	METAL	100K 1% 1/4W						
R656	1-249-427-11	CARBON	6.8K 5% 1/4W	1-533-223-11	HOLDER, FUSE				
R657	1-249-421-11	CARBON	2.2K 5% 1/4W	*	4-374-846-01	COVER, CAPACITOR, CAP TYPE			
R659	1-249-429-11	CARBON	10K 5% 1/4W		4-382-854-11	SCREW (M3X10), P, SW (+)			
R660	1-249-393-11	CARBON	10 5% 1/4W	CAPACITOR					
R661	1-249-419-11	CARBON	1.5K 5% 1/4W	C6001	1-126-933-11	ELECT	100μF	20%	16V
R662	1-215-485-00	METAL	470K 1% 1/4W	C6002	1-130-711-00	FILM	0.22μF	20%	250V
R663	1-215-445-00	METAL	10K 1% 1/4W	C6003	1-136-346-21	MYLAR	0.22μF	20%	300V
R664	1-240-257-11	RES, CMT	3.9 5% 20W	C6005	1-119-886-51	CERAMIC	470PF	10%	250V
R665	1-249-425-11	CARBON	4.7K 5% 1/4W	C6007	1-119-886-51	CERAMIC	470PF	10%	250V
R670	1-260-312-11	CARBON	47 5% 1/2W	C6008	1-126-960-11	ELECT	1μF	20%	50V
R671	1-260-312-11	CARBON	47 5% 1/2W	C6009	1-126-961-11	ELECT	2.2μF	20%	50V
R680	1-216-364-11	METAL OXIDE	0.39 5% 2W	C6010	1-130-711-00	FILM	0.22μF	20%	250V
R681	1-216-365-00	METAL OXIDE	0.47 5% 2W	C6016	1-104-330-91	CERAMIC	470PF	10%	1KV
R699	1-249-429-11	CARBON	10K 5% 1/4W	C6017	1-130-029-00	FILM	8200PF	2%	50V
RELAY				C6018	1-102-050-00	CERAMIC	0.01μF	20%	500V
RY600	1-755-266-11	RELAY, AC POWER		C6019	1-113-611-11	ELECT(BLOCK)	820μF	20%	250V
RY601	1-755-198-11	RELAY		C6020	1-113-611-11	ELECT(BLOCK)	820μF	20%	250V
TRANSFORMER				C6021	1-126-964-11	ELECT	10μF	20%	50V
T601	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)		C6022	1-126-963-11	ELECT	4.7μF	20%	50V
T602	1-426-717-11	TRANSFORMER, LINE FILTER (LFT)		C6024	1-126-964-11	ELECT	10μF	20%	50V
T603	1-429-992-11	TRANSFORMER, CONVERTER (PRT)		C6025	1-119-769-11	FILM	0.018μF	3%	1KV
T605	1-433-408-11	TRANSFORMER, CONVERTER (PIT)		C6026	1-126-964-11	ELECT	10μF	20%	50V
T621	1-431-852-11	TRANSFORMER, CONVERTER (SRT)		C6027	1-130-471-00	MYLAR	0.001μF	5%	50V
THERMISTOR				C6028	1-130-471-00	MYLAR	0.001μF	5%	50V
THP603	1-803-629-11	THERMISTOR, POSITIVE		C6029	1-136-165-00	FILM	0.1μF	5%	50V
VARISTOR				C6030	1-119-769-11	FILM	0.018μF	3%	1KV
VDR601	1-801-074-41	VARISTOR ERZV10D271		C6031	1-104-330-91	CERAMIC	470PF	10%	1KV
VDR602	1-801-074-41	VARISTOR ERZV10D271		C6032	1-126-960-11	ELECT	1μF	20%	50V
				C6034	1-137-372-11	MYLAR	0.022μF	5%	50V
				C6035	1-127-794-51	CERAMIC	2200PF	20%	250V
				C6036	1-127-794-51	CERAMIC	2200PF	20%	250V
				C6037	1-107-679-91	ELECT	10μF	20%	450V
				C6038	1-137-150-11	MYLAR	0.01μF	5%	50V
				C6039	1-164-645-11	CERAMIC	1000PF	10%	500V
				C6040	1-130-467-00	MYLAR	470PF	5%	50V
				C6041	1-107-679-91	ELECT	10μF	20%	450V
				C6042	1-130-467-00	MYLAR	470PF	5%	50V
				C6043	1-130-471-00	MYLAR	0.001μF	5%	50V
				C6044	1-126-936-11	ELECT	3300μF	20%	16V
				C6045	1-126-942-61	ELECT	1000μF	20%	25V

* A-1316-470-A GA COMPLETE PC BOARD
(KV-34FV16/34FV16C/34FX260/34FX260C ONLY)

1-533-223-11 HOLDER, FUSE
* 4-374-846-01 COVER, CAPACITOR, CAP TYPE
4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C6001	1-126-933-11	ELECT	100 μ F	20%	16V
C6002 \triangle	1-130-711-00	FILM	0.22 μ F	20%	250V
C6003	1-136-346-21	MYLAR	0.22 μ F	20%	300V
C6005 \triangle	1-119-886-51	CERAMIC	470PF	10%	250V
C6007 \triangle	1-119-886-51	CERAMIC	470PF	10%	250V
C6008	1-126-960-11	ELECT	1 μ F	20%	50V
C6009	1-126-961-11	ELECT	2.2 μ F	20%	50V
C6010	1-130-711-00	FILM	0.22 μ F	20%	250V
C6016	1-104-330-91	CERAMIC	470PF	10%	1KV
C6017 \triangle	1-130-029-00	FILM	8200PF	2%	50V
C6018	1-102-050-00	CERAMIC	0.01 μ F	20%	500V
C6019 \triangle	1-113-611-11	ELECT(BLOCK)	820 μ F	20%	250V
C6020 \triangle	1-113-611-11	ELECT(BLOCK)	820 μ F	20%	250V
C6021	1-126-964-11	ELECT	10 μ F	20%	50V
C6022 \triangle	1-126-963-11	ELECT	4.7 μ F	20%	50V
C6024	1-126-964-11	ELECT	10 μ F	20%	50V
C6025 \triangle	1-119-769-11	FILM	0.018 μ F	3%	1KV
C6026	1-126-964-11	ELECT	10 μ F	20%	50V
C6027	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C6028 \triangle	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C6029	1-136-165-00	FILM	0.1 μ F	5%	50V
C6030	1-119-769-11	FILM	0.018 μ F	3%	1KV
C6031	1-104-330-91	CERAMIC	470PF	10%	1KV
C6032	1-126-960-11	ELECT	1 μ F	20%	50V
C6034	1-137-372-11	MYLAR	0.022 μ F	5%	50V
C6035	1-127-794-51	CERAMIC	2200PF	20%	250V
C6036	1-127-794-51	CERAMIC	2200PF	20%	250V
C6037 \triangle	1-107-679-91	ELECT	10 μ F	20%	450V
C6038	1-137-150-11	MYLAR	0.01 μ F	5%	50V
C6039	1-164-645-11	CERAMIC	1000PF	10%	500V
C6040	1-130-467-00	MYLAR	470PF	5%	50V
C6041	1-107-679-91	ELECT	10 μ F	20%	450V
C6042	1-130-467-00	MYLAR	470PF	5%	50V
C6043	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C6044	1-126-936-11	ELECT	3300 μ F	20%	16V
C6045	1-126-942-61	ELECT	1000 μ F	20%	25V

Note:

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Note:

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GA

REF.NO.	PART NO.	DESCRIPTION	REMARK		
C6046	1-128-566-11	ELECT	470 μ F	20%	100V
C6047	1-128-566-11	ELECT	470 μ F	20%	100V
C6048	1-164-645-11	CERAMIC	1000PF	10%	500V
C6049	1-128-550-11	ELECT	2200 μ F	20%	50V
C6050	1-104-664-11	ELECT	47 μ F	20%	25V
C6051	1-104-664-11	ELECT	47 μ F	20%	25V
C6052	1-126-971-11	ELECT	470 μ F	20%	50V
C6053	1-136-165-00	FILM	0.1 μ F	5%	50V
C6054	1-137-605-11	MYLAR	0.01 μ F	10%	250V
C6056	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C6057	1-107-636-11	ELECT	10 μ F	20%	160V
C6058	1-126-960-11	ELECT	1 μ F	20%	50V
C6059	1-104-664-11	ELECT	47 μ F	20%	25V
C6060	1-104-664-11	ELECT	47 μ F	20%	25V
C6061	1-136-165-00	FILM	0.1 μ F	5%	50V
C6062	1-126-964-11	ELECT	10 μ F	20%	50V
C6063	1-126-940-11	ELECT	330 μ F	20%	25V
C6064	1-104-664-11	ELECT	47 μ F	20%	25V
C6066	1-126-965-11	ELECT	22 μ F	20%	50V
C6067	1-102-121-00	CERAMIC	0.0022 μ F	10%	50V
C6068	1-102-106-00	CERAMIC	100PF	10%	50V
C6069	1-102-106-00	CERAMIC	100PF	10%	50V
C6070	1-102-074-00	CERAMIC	0.001 μ F	10%	50V
C6071	1-102-106-00	CERAMIC	100PF	10%	50V
C6072	1-102-106-00	CERAMIC	100PF	10%	50V
C6073	1-102-129-00	CERAMIC	0.01 μ F	10%	50V
C6074	1-102-106-00	CERAMIC	100PF	10%	50V
C6075	1-107-824-11	CERAMIC	220PF	5%	1KV
C6078	1-126-964-11	ELECT	10 μ F	20%	50V
C6081	1-127-794-51	CERAMIC	2200PF	20%	250V
C6082	1-127-794-51	CERAMIC	2200PF	20%	250V

CONNECTOR

CN6000*	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
CN6001*	1-573-963-11	PIN, CONNECTOR (PC BOARD) 3P
CN6002	1-695-915-11	TAB (CONTACT)
CN6003*	1-580-843-11	PIN, CONNECTOR (POWER)
CN6006*	1-564-509-11	PLUG, CONNECTOR 6P
CN6007*	1-564-515-11	PLUG, CONNECTOR 12P
CN6009	1-695-915-11	TAB (CONTACT)

DIODE

D6000	8-719-991-33	DIODE 1SS133T-77
D6001	8-719-991-33	DIODE 1SS133T-77
D6002	8-719-991-33	DIODE 1SS133T-77
D6003	8-719-991-33	DIODE 1SS133T-77
D6004	8-719-991-33	DIODE 1SS133T-77
D6005	8-719-991-33	DIODE 1SS133T-77
D6006	8-719-991-33	DIODE 1SS133T-77

D6008 \triangle	8-719-510-53	DIODE D4SB60L-F
D6009	8-719-991-33	DIODE 1SS133T-77
D6010	8-719-991-33	DIODE 1SS133T-77
D6011	8-719-991-33	DIODE 1SS133T-77
D6012	8-719-991-33	DIODE 1SS133T-77
D6013 \triangle	8-719-510-02	DIODE D1NS4-TA2
D6014 \triangle	8-719-921-88	DIODE MTZJ-T-77-13B
D6015	8-719-979-64	DIODE UF4005PKG23
D6017	8-719-911-55	DIODE ERC04-06S
D6019	8-719-911-55	DIODE ERC04-06S
D6020 \triangle	8-719-062-40	DIODE D4SBL20UF3
D6021	8-719-110-41	DIODE MTZJ-T-77-15B
D6022	8-719-510-12	DIODE D10SC4M
D6023 \triangle	8-719-022-97	DIODE D2S4MTA1
D6024 \triangle	8-719-022-97	DIODE D2S4MTA1
D6025 \triangle	8-719-060-89	DIODE D4SBS6-F
D6028	8-719-110-49	DIODE MTZJ-T-77-18B
D6029	8-719-991-33	DIODE 1SS133T-77
D6030 \triangle	8-719-110-60	DIODE MTZJ-T-77-24B
D6031	8-719-991-33	DIODE 1SS133T-77
D6032	8-719-510-48	DIODE D1N20R-TA
D6034	8-719-948-45	DIODE ERA22-08TP3
D6035	8-719-063-70	DIODE D1NL20U-TA2
D6036	8-719-032-12	DIODE D1NS6-TA2
D6037	8-719-991-33	DIODE 1SS133T-77
D6038 \triangle	8-719-991-33	DIODE 1SS133T-77
D6040	8-719-063-70	DIODE D1NL20U-TA2
D6041	8-719-991-33	DIODE 1SS133T-77
D6042	8-719-110-17	DIODE MTZJ-T-77-10B
D6043	8-719-991-33	DIODE 1SS133T-77
D6044	8-719-991-33	DIODE 1SS133T-77
D6045	8-719-911-55	DIODE ERC04-06S
D6046	8-719-911-55	DIODE ERC04-06S
D6047	8-719-110-31	DIODE MTZJ-T-77-12B
D6048	8-719-110-31	DIODE MTZJ-T-77-12B
D6049	8-719-991-33	DIODE 1SS133T-77
D6050 \triangle	8-719-979-64	DIODE UF4005PKG23
D6051	8-719-063-70	DIODE D1NL20U-TA2
D6052	8-719-110-31	DIODE MTZJ-T-77-12B
D6054	8-719-063-70	DIODE D1NL20U-TA2
D6055	8-719-063-70	DIODE D1NL20U-TA2
D6056	8-719-063-70	DIODE D1NL20U-TA2

FUSE

F6001 \triangle	1-532-506-51	FUSE 6.3A/250V
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GA

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
FERRITE BEAD				R6001	1-215-445-00	METAL	10K 1% 1/4W
FB6001	1-412-911-11	FERRITE	0 μ H	R6002	1-202-719-00	SOLID	1M 20% 1/2W
FB6002	1-412-911-11	FERRITE	0 μ H	R6003	1-249-425-11	CARBON	4.7K 5% 1/4W
FB6003	1-412-911-11	FERRITE	0 μ H	R6004	1-247-843-11	CARBON	3.3K 5% 1/4W
FB6004	1-412-911-11	FERRITE	0 μ H	R6005	1-215-469-00	METAL	100K 1% 1/4W
FB6005	1-412-911-11	FERRITE	0 μ H	R6006	1-215-471-00	METAL	120K 1% 1/4W
FB6006	1-412-911-11	FERRITE	0 μ H	R6007	1-247-843-11	CARBON	3.3K 5% 1/4W
FB6007	1-412-911-11	FERRITE	0 μ H	R6008	1-215-469-00	METAL	100K 1% 1/4W
				R6009	1-215-483-00	METAL	390K 1% 1/4W
IC				R6010	1-249-393-11	CARBON	10 5% 1/4W
IC6000	8-759-198-31	IC UPC1093J-1-T		R6011	1-215-466-00	METAL	75K 1% 1/4W
IC6001 \triangle	8-759-133-90	IC UPC339C		R6012	1-215-489-00	METAL	680K 1% 1/4W
IC6002 \triangle	8-749-013-78	IC MCR5102		R6013	1-215-489-00	METAL	680K 1% 1/4W
IC6003	8-749-012-13	IC DM-58		R6014	1-215-489-00	METAL	680K 1% 1/4W
IC6004	8-759-394-35	IC BA12T		R6015	1-215-485-00	METAL	470K 1% 1/4W
IC6005	8-759-653-07	IC PQ09RD21		R6016	1-215-471-00	METAL	120K 1% 1/4W
IC6007	8-759-450-47	IC BA05T		R6017	1-215-489-00	METAL	680K 1% 1/4W
				R6018	1-215-489-00	METAL	680K 1% 1/4W
				R6019	1-215-489-00	METAL	680K 1% 1/4W
COIL				R6020 \triangle	1-218-265-11	METAL	8.2M 5% 1W
L6000	1-412-519-11	INDUCTOR	3.3 μ H	R6021	1-215-466-00	METAL	75K 1% 1/4W
L6001	1-412-519-11	INDUCTOR	3.3 μ H	R6022	1-215-469-00	METAL	100K 1% 1/4W
L6002	1-412-527-11	INDUCTOR	15 μ H	R6023	1-215-465-00	METAL	68K 1% 1/4W
L6003	1-412-527-11	INDUCTOR	15 μ H	R6024	1-215-457-00	METAL	33K 1% 1/4W
L6004	1-412-529-11	INDUCTOR	22 μ H	R6025	1-215-473-00	METAL	150K 1% 1/4W
				R6026	1-215-466-00	METAL	75K 1% 1/4W
PHOTO COUPLER				R6027	1-215-489-00	METAL	680K 1% 1/4W
PH6001 \triangle	8-749-924-35	PHOTO COUPLER ON3171-R		R6028	1-215-489-00	METAL	680K 1% 1/4W
PH6002 \triangle	8-749-924-35	PHOTO COUPLER ON3171-R		R6029	1-215-489-00	METAL	680K 1% 1/4W
				R6030	1-215-458-00	METAL	36K 1% 1/4W
TRANSISTOR				R6031	1-215-489-00	METAL	680K 1% 1/4W
Q6000	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R6032	1-215-489-00	METAL	680K 1% 1/4W
Q6001	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R6033 \triangle	1-215-489-00	METAL	680K 1% 1/4W
Q6002	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R6034	1-215-463-00	METAL	56K 1% 1/4W
Q6003 \triangle	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R6035 \triangle	1-249-429-11	CARBON	10K 5% 1/4W
Q6004	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R6036	1-215-481-00	METAL	330K 1% 1/4W
Q6005 \triangle	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R6037	1-249-439-11	CARBON	68K 5% 1/4W
Q6006 \triangle	8-729-046-40	TRANSISTOR 2SK2663		R6038 \triangle	1-215-481-00	METAL	330K 1% 1/4W
Q6007	8-729-922-39	TRANSISTOR 2SD2144S-TP-V		R6039 \triangle	1-240-876-11	CEMENTED	1 5% 15W
Q6008 \triangle	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R6040 \triangle	1-240-876-11	CEMENTED	1 5% 15W
Q6009	8-729-048-82	TRANSISTOR 2SA821STPQ		R6041	1-219-512-11	CARBON	2.2M 5% 1/2W
Q6010	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA		R6042	1-249-433-11	CARBON	22K 5% 1/4W
Q6011 \triangle	8-729-140-93	TRANSISTOR 2SB734-T-4		R6044 \triangle	1-215-430-00	METAL	2.4K 1% 1/4W
Q6012	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R6045	1-215-448-00	METAL	13K 1% 1/4W
				R6046	1-249-433-11	CARBON	22K 5% 1/4W
RESISTOR				R6047	1-215-481-00	METAL	330K 1% 1/4W
R6000	1-215-445-00	METAL	10K 1% 1/4W	R6048 \triangle	1-260-131-11	CARBON	470K 5% 1/2W
				R6049 \triangle	1-260-131-11	CARBON	470K 5% 1/2W
				R6050	1-249-425-11	CARBON	4.7K 5% 1/4W

Note:

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Note:

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REF.NO.	PART NO.	DESCRIPTION	REMARK		
R6051 \triangle	1-202-933-61	FUSIBLE	0.1	10%	1/2W
R6052	1-249-429-11	CARBON	10K	5%	1/4W
R6053	1-249-425-11	CARBON	4.7K	5%	1/4W
R6054	1-249-437-11	CARBON	47K	5%	1/4W
R6055	1-249-429-11	CARBON	10K	5%	1/4W
R6056	1-215-421-00	METAL	1K	1%	1/4W
R6057	1-249-429-11	CARBON	10K	5%	1/4W
R6058 \triangle	1-216-381-11	METAL OXIDE	0.22	5%	3V
R6059	1-215-864-00	METAL OXIDE	150	5%	1W
R6060 \triangle	1-216-381-11	METAL OXIDE	0.22	5%	3V
R6062	1-219-512-11	CARBON	2.2M	5%	1/2W
R6063	1-215-421-00	METAL	1K	1%	1/4W
R6064 \triangle	1-249-409-11	CARBON	220	5%	1/4W
R6065	1-249-409-11	CARBON	220	5%	1/4W
R6066	1-249-389-11	CARBON	4.7	5%	1/4W
R6067	1-249-421-11	CARBON	2.2K	5%	1/4W
R6068	1-249-417-11	CARBON	1K	5%	1/4W
R6069	1-249-437-11	CARBON	47K	5%	1/4W
R6071	1-249-425-11	CARBON	4.7K	5%	1/4W
R6072	1-249-409-11	CARBON	220	5%	1/4W
R6073	1-260-298-51	CARBON	3.3	5%	1/2W
R6074	1-249-415-11	CARBON	680	5%	1/4W
R6075	1-260-312-11	CARBON	47	5%	1/2W
R6076	1-260-312-11	CARBON	47	5%	1/2W
R6077	1-247-791-91	CARBON	22	5%	1/4W
R6078 \triangle	1-249-389-11	CARBON	4.7	5%	1/4W
R6079	1-249-409-11	CARBON	220	5%	1/4W
R6080	1-249-421-11	CARBON	2.2K	5%	1/4W
R6081 \triangle	1-260-298-51	CARBON	3.3	5%	1/2W
R6082	1-215-461-00	METAL	47K	1%	1/4W
R6083	1-249-441-11	CARBON	100K	5%	1/4W
R6084	1-249-413-11	CARBON	470	5%	1/4W
R6085	1-215-462-00	METAL	51K	1%	1/4W
R6086	1-215-479-00	METAL	270K	1%	1/4W
R6087	1-240-205-91	CARBON	22M	5%	1/2W
R6088 \triangle	1-249-417-11	CARBON	1K	5%	1/4W
R6089	1-215-493-00	METAL	1M	1%	1/4W
R6091	1-215-469-00	METAL	100K	1%	1/4W
R6092	1-215-481-00	METAL	330K	1%	1/4W
R6093	1-249-427-11	CARBON	6.8K	5%	1/4W
R6094	1-215-423-00	METAL	1.2K	1%	1/4W
R6095 \triangle	1-216-363-00	METAL OXIDE	0.33	5%	2V
R6096	1-249-421-11	CARBON	2.2K	5%	1/4W
R6097	1-215-485-00	METAL	470K	1%	1/4W
R6098	1-215-445-00	METAL	10K	1%	1/4W
R6099	1-215-469-00	METAL	100K	1%	1/4W
R6100	1-249-429-11	CARBON	10K	5%	1/4W
R6101	1-249-417-11	CARBON	1K	5%	1/4W
R6102	1-247-895-91	CARBON	470K	5%	1/4W
R6103	1-205-998-11	CEMENTED	1	5%	10W

REF.NO.	PART NO.	DESCRIPTION	REMARK		
R6104	1-249-429-11	CARBON	10K	5%	1/4W
R6105	1-249-429-11	CARBON	10K	5%	1/4W
R6106	1-202-962-11	CEMENTED	3.3	5%	10W
R6107	1-202-962-11	CEMENTED	3.3	5%	10W
R6109	1-249-437-11	CARBON	47K	5%	1/4W
R6111	1-215-857-11	METAL OXIDE	10	5%	1W
R6112	1-215-857-11	METAL OXIDE	10	5%	1W

RELAY

RY6000 \triangle	1-755-146-11	RELAY, AC POWER
RY6001 \triangle	1-755-330-11	RELAY (AC POWER)
RY6002 \triangle	1-755-330-11	RELAY (AC POWER)

SPARK GAP

SG6007	1-576-487-11	ELEMENT, SPARK
SG6008	1-576-487-11	ELEMENT, SPARK

TRANSFORMER

T6000 \triangle	1-433-900-11	TRANSFORMER, LINE FILTER
T6001 \triangle	1-433-900-11	TRANSFORMER, LINE FILTER
T6002 \triangle	1-433-846-11	TRANSFORMER, CONVERTER (PIT)
T6003 \triangle	1-433-844-11	TRANSFORMER, CONVERTER

THERMISTOR

TH6000 \triangle	1-803-540-11	THERMISTOR
TH6001 \triangle	1-803-629-11	THERMISTOR, POSITIVE
TH6002	1-803-586-11	THERMISTOR, NTC

VARISTOR

VDR6000 \triangle	1-803-587-11	VARISTOR ENE471D-14A
VDR6002 \triangle	1-803-614-11	VARISTOR



* A-1372-634-A HA MOUNTED PC BOARD

CAPACITOR

C1234	1-126-960-11	ELECT	1 μ F	20%	50V
C1235	1-126-960-11	ELECT	1 μ F	20%	50V
C1239	1-216-295-11	SHORT			

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REF.NO.	PART NO.	DESCRIPTION	REMARK
CONNECTOR			
CN1232*	1-564-512-11	PLUG, CONNECTOR	9P
DIODE			
D1233	8-719-110-17	DIODE MTZJ-T-77-10B	
JACK			
J1231	1-770-361-11	TERMINAL BLOCK, S	
RESISTOR			
R201	1-216-049-11	RES-CHIP	1K 5% 1/10W
R202	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R203	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1233	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1235	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1236	1-216-113-00	RES-CHIP	470K 5% 1/10W
R1237	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R1238	1-216-113-00	RES-CHIP	470K 5% 1/10W
SWITCH			
S2007	1-572-198-11	SWITCH, KEYBOARD	
S2008	1-572-198-11	SWITCH, KEYBOARD	
S2009	1-572-198-11	SWITCH, KEYBOARD	
S2010	1-572-198-11	SWITCH, KEYBOARD	
CAPACITOR			
C2001	1-104-665-11	ELECT	100µF 20% 25V
C2002	1-164-096-11	CERAMIC	0.01µF 50V
CONNECTOR			
CN2001*	1-564-520-11	PLUG, CONNECTOR	5P
DIODE			
D2002	8-719-057-09	DIODE LNJ801LPDJA	
D2003	8-719-057-09	DIODE LNJ801LPDJA	

HB

* A-1372-635-A

HB MOUNTED PC BOARD

REF.NO.	PART NO.	DESCRIPTION	REMARK
IC			
IC2001	8-742-211-20	HYB IC SBX3071-71	
RESISTOR			
R2001	1-216-049-11	RES-CHIP	1K 5% 1/10W
R2002	1-216-049-11	RES-CHIP	1K 5% 1/10W
R2003	1-216-017-91	RES-CHIP	47 5% 1/10W
CONNECTOR			
CN2002*	1-564-518-11	PLUG, CONNECTOR	3P
RESISTOR			
R2010	1-216-047-91	RES-CHIP	820 5% 1/10W
R2011	1-216-049-11	RES-CHIP	1K 5% 1/10W
R2012	1-216-055-00	RES-CHIP	1.8K 5% 1/10W
R2013	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
R2014	1-216-025-11	RES-CHIP	100 5% 1/10W
SWITCH			
S2001	1-572-198-11	SWITCH, KEYBOARD	
S2002	1-572-198-11	SWITCH, KEYBOARD	
S2003	1-572-198-11	SWITCH, KEYBOARD	
S2004	1-572-198-11	SWITCH, KEYBOARD	
S2005	1-572-198-11	SWITCH, KEYBOARD	
S2006	1-572-198-11	SWITCH, KEYBOARD	
CAPACITOR			
C401	1-163-243-11	CERAMIC CHIP	47PF 5% 50V
C402	1-163-809-11	CERAMIC CHIP	0.047µF 10% 25V
C403	1-126-963-11	ELECT	4.7µF 20% 50V

HX

* A-1372-636-A

HX MOUNTED PC BOARD

REF.NO.	PART NO.	DESCRIPTION	REMARK
T			
* A-1394-934-A T COMPLETE PC BOARD (KV-32FV26/34FX260/34FX260C)			

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T

REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
C404	1-163-135-00	CERAMIC CHIP	560PF	5%	50V	TRANSISTOR					
C405	1-104-664-11	ELECT	47μF	20%	25V	Q401	8-729-266-83	TRANSISTOR 2SC2668-YTP			
C406	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	Q402	8-729-266-83	TRANSISTOR 2SC2668-YTP			
C407	1-163-809-11	CERAMIC CHIP	0.047μF	10%	25V	Q403	8-729-423-33	TRANSISTOR 2SC3311A-QRSTA			
C408	1-163-135-00	CERAMIC CHIP	560PF	5%	50V	Q404	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX			
C409	1-126-963-11	ELECT	4.7μF	20%	50V	Q405	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX			
C410	1-163-243-11	CERAMIC CHIP	47PF	5%	50V	Q406	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2			
C411	1-126-963-11	ELECT	4.7μF	20%	50V	Q407	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2			
C412	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V	Q408	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2			
C413	1-164-161-11	CERAMIC CHIP	0.0022μF	10%	50V	Q409	8-729-931-14	TRANSISTOR 2SD1858-Q-TV2			
C414	1-104-664-11	ELECT	47μF	20%	25V	Q410	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX			
C415	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	Q411	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX			
C416	1-104-664-11	ELECT	47μF	20%	25V	RESISTOR					
C417	1-126-963-11	ELECT	4.7μF	20%	50V	R401	1-216-089-11	RES-CHIP	47K	5%	1/10W
C418	1-163-229-11	CERAMIC CHIP	12PF	5%	50V	R402	1-216-089-11	RES-CHIP	47K	5%	1/10W
C419	1-163-227-11	CERAMIC CHIP	10PF	0.50PF	50V	R403	1-216-089-11	RES-CHIP	47K	5%	1/10W
C420	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	R404	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
C421	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	R405	1-216-025-11	RES-CHIP	100	5%	1/10W
C422	1-104-664-11	ELECT	47μF	20%	25V	R406	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
C423	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	R407	1-216-133-00	RES-CHIP	3.3M	5%	1/10W
C424	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	R408	1-216-089-11	RES-CHIP	47K	5%	1/10W
C425	1-104-664-11	ELECT	47μF	20%	25V	R409	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
C426	1-163-021-91	CERAMIC CHIP	0.01μF	10%	50V	R410	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
CONNECTOR						R411	1-216-025-11	RES-CHIP	100	5%	1/10W
CN401 *	1-564-519-11	PLUG, CONNECTOR 4P				R412	1-208-803-11	METAL CHIP	7.5K	0.50%	1/10W
DIODE						R413	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
D401	8-719-109-89	DIODE MTZJ-T-77-5.6C				R414	1-216-073-00	RES-CHIP	10K	5%	1/10W
D402	8-719-057-93	DIODE SVC203SPA-AL				R415	1-249-411-11	CARBON	330	5%	1/4W
D403	8-719-057-93	DIODE SVC203SPA-AL				R416	1-216-081-00	RES-CHIP	22K	5%	1/10W
D404	8-719-992-13	DIODE DAL5815				R417	1-216-081-00	RES-CHIP	22K	5%	1/10W
D405	8-719-992-13	DIODE DAL5815				R418	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
D406	8-719-992-13	DIODE DAL5815				R419	1-216-073-00	RES-CHIP	10K	5%	1/10W
D407	8-719-992-13	DIODE DAL5815				R420	1-216-111-00	RES-CHIP	390K	5%	1/10W
D408	8-719-992-13	DIODE DAL5815				R421	1-216-025-11	RES-CHIP	100	5%	1/10W
D409	8-719-992-13	DIODE DAL5815				R422	1-216-025-11	RES-CHIP	100	5%	1/10W
D410	8-719-992-13	DIODE DAL5815				R423	1-216-111-00	RES-CHIP	390K	5%	1/10W
D411	8-719-992-13	DIODE DAL5815				R424	1-216-053-00	RES-CHIP	1.5K	5%	1/10W
IC						R425	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
IC401	8-759-939-73	IC BA3308				R426	1-208-821-11	METAL CHIP	43K	0.50%	1/10W
COIL						R427	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
L401	1-411-987-11	COIL (OSC)				R428	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
L402	1-411-988-11	COIL (OSC)				R429	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
						R430	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
						R431	1-208-790-11	METAL CHIP	2.2K	0.50%	1/10W
						R432	1-208-821-11	METAL CHIP	43K	0.50%	1/10W
						R433	1-216-059-00	RES-CHIP	2.7K	5%	1/10W
						R434	1-216-059-00	RES-CHIP	2.7K	5%	1/10W

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R435	1-216-001-00	RES-CHIP	10	5%	1/10W	C1202	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
R436	1-216-001-00	RES-CHIP	10	5%	1/10W	C1203	1-126-960-11	ELECT	1 μ F	20%	50V
R437	1-216-001-00	RES-CHIP	10	5%	1/10W	C1204	1-163-809-11	CERAMIC CHIP	0.047 μ F	10%	25V
R438	1-216-001-00	RES-CHIP	10	5%	1/10W	C1205	1-126-933-11	ELECT	100 μ F	20%	16V
R439	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	C1207	1-126-963-11	ELECT	4.7 μ F	20%	50V
R460	1-216-059-00	RES-CHIP	2.7K	5%	1/10W	C1208	1-126-963-11	ELECT	4.7 μ F	20%	50V
						C1209	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
						C1210	1-163-259-91	CERAMIC CHIP	220PF	5%	50V
						C1211	1-126-933-11	ELECT	100 μ F	20%	16V
						C1212	1-126-933-11	ELECT	100 μ F	20%	16V
						C1214	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
						C1215	1-126-960-11	ELECT	1 μ F	20%	50V
						C1997	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C1998	1-104-664-11	ELECT	47 μ F	20%	16V
						C1999	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2000	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2001	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2002	1-126-933-11	ELECT	100 μ F	20%	16V
						C2003	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2004	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2005	1-163-131-00	CERAMIC CHIP	390PF	5%	50V
						C2006	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
						C2007	1-126-926-11	ELECT	1000 μ F	20%	10V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2008	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2009	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
						C2011	1-126-967-11	ELECT	47 μ F	20%	50V
						C2013	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2014	1-163-009-11	CERAMIC CHIP	0.001 μ F	10%	50V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2015	1-216-295-11	SHORT			
						C2016	1-165-319-11	CERAMIC CHIP	0.1 μ F		50V
						C2017	1-163-102-00	CERAMIC CHIP	24PF	5%	50V
						C2018	1-165-319-11	CERAMIC CHIP	0.1 μ F		50V
						C2019	1-126-960-11	ELECT	1 μ F	20%	50V
								(KV-32FV26/34FX260/34FX260C ONLY)			
						C2020	1-165-319-11	CERAMIC CHIP	0.1 μ F		50V
						C2021	1-163-038-11	CERAMIC CHIP	0.1 μ F		25V
						C2022	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2023	1-126-967-11	ELECT	47 μ F	20%	50V
						C2024	1-216-295-11	SHORT			
						C2025	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2026	1-126-967-11	ELECT	47 μ F	20%	50V
						C2027	1-163-031-11	CERAMIC CHIP	0.01 μ F		50V
						C2028	1-126-941-11	ELECT	470 μ F	20%	25V
						C2029	1-165-319-11	CERAMIC CHIP	0.1 μ F		50V



- * A-1395-003-A UX COMPLETE PC BOARD
(KV-32FV16/34FV16/34FV16C ONLY)
- * A-1395-004-A UX COMPLETE PC BOARD
(KV-32FV26/34FX260/34FX260C ONLY)

CAPACITOR

C201	1-128-551-11	ELECT	22 μ F	20%	25V
C202	1-128-551-11	ELECT	22 μ F	20%	25V
C203	1-128-551-11	ELECT	22 μ F	20%	25V
C204	1-126-960-11	ELECT	1 μ F	20%	50V
C205	1-126-960-11	ELECT	1 μ F	20%	50V
C231	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C232	1-126-933-11	ELECT	100 μ F	20%	16V
C233	1-126-933-11	ELECT	100 μ F	20%	16V
C234	1-126-960-11	ELECT	1 μ F	20%	50V
C235	1-126-960-11	ELECT	1 μ F	20%	50V
C236	1-126-933-11	ELECT	100 μ F	20%	16V
C237	1-126-960-11	ELECT	1 μ F	20%	50V
C238	1-126-960-11	ELECT	1 μ F	20%	50V
C241	1-126-941-11	ELECT	470 μ F	20%	25V
C242	1-126-959-11	ELECT	0.47 μ F	20%	50V
C243	1-126-959-11	ELECT	0.47 μ F	20%	50V
C244	1-126-959-11	ELECT	0.47 μ F	20%	50V
C245	1-126-959-11	ELECT	0.47 μ F	20%	50V
C264	1-164-004-11	CERAMIC CHIP	0.1 μ F	10%	25V
C268	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C269	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C272	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C273	1-128-551-11	ELECT	22 μ F	20%	25V
C277	1-128-551-11	ELECT	22 μ F	20%	25V
C278	1-128-551-11	ELECT	22 μ F	20%	25V
C281	1-126-933-11	ELECT	100 μ F	20%	16V
C284	1-126-941-11	ELECT	470 μ F	20%	25V
C286	1-164-161-11	CERAMIC CHIP	0.0022 μ F	10%	50V
C287	1-164-161-11	CERAMIC CHIP	0.0022 μ F	10%	50V
C1051	1-126-964-11	ELECT	10 μ F	20%	50V
C1053	1-126-934-11	ELECT	220 μ F	20%	16V
C1201	1-163-809-11	CERAMIC CHIP	0.047 μ F	10%	25V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D203	8-719-032-47	DIODE MTZJ-T-9110		IC			
D204	8-719-032-47	DIODE MTZJ-T-9110		IC261	8-752-066-69	IC CXA1845Q	
D205	8-719-032-47	DIODE MTZJ-T-9110		IC1051	8-752-058-68	IC CXA1315M-T4	
D231	8-719-032-47	DIODE MTZJ-T-9110		IC2003	8-759-568-27	IC UPD424210LE-60-E2	
D232	8-719-032-47	DIODE MTZJ-T-9110		IC2004	8-759-594-44	IC UPD64082GF-3BA	
				IC2005	8-759-583-47	IC UPC2933T-E1	
D233	8-719-032-47	DIODE MTZJ-T-9110					
D234	8-719-032-47	DIODE MTZJ-T-9110		IC2006	8-759-358-38	IC NJM78M05DLA(TE1)	
D235	8-719-032-47	DIODE MTZJ-T-9110		IC2009	8-752-395-13	IC CXD2085M-T4	
D236	8-719-032-47	DIODE MTZJ-T-9110				(KV-32FV26/34FX260/34FX260C ONLY)	
D237	8-719-032-47	DIODE MTZJ-T-9110		IC3302	8-759-358-38	IC NJM78M05DLA(TE1)	
				IC3303	8-759-658-34	IC SDA9588X	
D238	8-719-032-47	DIODE MTZJ-T-9110		IC3308	8-759-932-69	IC BU4053BCF-T2	
D239	8-719-032-47	DIODE MTZJ-T-9110		IC3310	8-759-583-47	IC UPC2933T-E1	
D245	8-719-157-94	DIODE RD3.3SB-T1		JACK			
D246	8-719-157-94	DIODE RD3.3SB-T1		J231	1-750-515-11	TERMINAL BLOCK, S 3P	
D248	8-719-157-94	DIODE RD3.3SB-T1		J232	1-750-517-11	JACK BLOCK, PIN 3P	
				J233	1-750-516-11	JACK BLOCK, PIN 2P	
D261	8-719-032-47	DIODE MTZJ-T-9110		J234	1-750-517-11	JACK BLOCK, PIN 3P	
D902	8-719-032-47	DIODE MTZJ-T-9110		J236	1-774-358-11	JACK BLOCK, PIN	
D910	8-719-032-47	DIODE MTZJ-T-9110					
D911	8-719-032-47	DIODE MTZJ-T-9110		J902	1-764-143-11	JACK	
D912	8-719-032-47	DIODE MTZJ-T-9110		J903	1-764-143-11	JACK	
				J904	1-764-143-11	JACK	
D1051	8-719-073-01	DIODE MA111-TX		J905	1-764-143-11	JACK	
D1052	8-719-073-01	DIODE MA111-TX		CHIP CONDUCTOR			
D1053	1-216-295-11	SHORT		JR1001	1-216-295-11	SHORT	
D1054	1-216-295-11	SHORT		JR1002	1-216-295-11	SHORT	
D2201	8-719-032-47	DIODE MTZJ-T-9110		JR1003	1-216-295-11	SHORT	
D2202	8-719-032-47	DIODE MTZJ-T-9110		JR1004	1-216-295-11	SHORT	
D2203	8-719-032-47	DIODE MTZJ-T-9110		JR1021	1-216-295-11	SHORT	
FERRITE BEAD				JR1022	1-216-295-11	SHORT	
FB2003	1-414-233-22	INDUCTOR CHIP	0 μ H	JR1023	1-216-295-11	SHORT	
FB2004	1-414-230-22	INDUCTOR CHIP	0 μ H	JR2009	1-216-295-11	SHORT	
FB2006	1-414-230-22	INDUCTOR CHIP	0 μ H	JR2010	1-216-295-11	SHORT	
FB2007	1-414-230-22	INDUCTOR CHIP	0 μ H	JR2011	1-216-295-11	SHORT	
FB2008	1-414-230-22	INDUCTOR CHIP	0 μ H				
FB2009	1-414-233-22	INDUCTOR CHIP	0 μ H	JR2012	1-216-295-11	SHORT	
FB3301	1-216-295-11	SHORT		JR2013	1-216-295-11	SHORT	
FB3302	1-414-230-22	INDUCTOR CHIP	0 μ H	JR2014	1-216-295-11	SHORT	
FB3303	1-414-230-22	INDUCTOR CHIP	0 μ H	JR3014	1-216-295-11	SHORT	
FB3304	1-414-230-22	INDUCTOR CHIP	0 μ H	COIL			
FB3305	1-414-230-22	INDUCTOR CHIP	0 μ H	L261	1-414-857-11	INDUCTOR	100 μ H
FILTER				L1201	1-408-591-11	INDUCTOR	1 μ H
FL2001	1-239-848-21	FILTER, LOW PASS		L1202	1-408-591-11	INDUCTOR	1 μ H
FL2002	1-239-848-21	FILTER, LOW PASS		L1203	1-408-591-11	INDUCTOR	1 μ H
FL2003	1-239-848-21	FILTER, LOW PASS		L2001	1-412-056-11	INDUCTOR CHIP	4.7 μ H
FL2004	1-239-848-21	FILTER, LOW PASS					

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R215	1-216-049-11	RES-CHIP	1K	5%	1/10W	R269	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R216	1-216-025-11	RES-CHIP	100	5%	1/10W	R270	1-216-049-11	RES-CHIP	1K	5%	1/10W
R218	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R271	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R219	1-216-049-11	RES-CHIP	1K	5%	1/10W	R272	1-216-025-11	RES-CHIP	100	5%	1/10W
R220	1-216-025-11	RES-CHIP	100	5%	1/10W	R273	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R221	1-208-774-11	METAL CHIP	470	0.50%	1/10W						
R222	1-216-049-11	RES-CHIP	1K	5%	1/10W	R274	1-216-049-11	RES-CHIP	1K	5%	1/10W
R223	1-216-025-11	RES-CHIP	100	5%	1/10W	R275	1-216-025-11	RES-CHIP	100	5%	1/10W
R224	1-216-025-11	RES-CHIP	100	5%	1/10W	R276	1-216-295-11	SHORT			
R225	1-216-025-11	RES-CHIP	100	5%	1/10W	R278	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R226	1-216-025-11	RES-CHIP	100	5%	1/10W	R279	1-216-025-11	RES-CHIP	100	5%	1/10W
R227	1-216-041-00	RES-CHIP	470	5%	1/10W	R280	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R228	1-216-049-11	RES-CHIP	1K	5%	1/10W	R281	1-216-025-11	RES-CHIP	100	5%	1/10W
R229	1-216-049-11	RES-CHIP	1K	5%	1/10W	R282	1-216-025-11	RES-CHIP	100	5%	1/10W
R230	1-216-089-11	RES-CHIP	47K	5%	1/10W	R283	1-216-049-11	RES-CHIP	1K	5%	1/10W
R231	1-216-022-00	RES-CHIP	75	5%	1/10W	R284	1-216-033-00	RES-CHIP	220	5%	1/10W
R232	1-216-022-00	RES-CHIP	75	5%	1/10W	R285	1-216-033-00	RES-CHIP	220	5%	1/10W
R233	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R286	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R234	1-216-022-00	RES-CHIP	75	5%	1/10W	R287	1-216-025-11	RES-CHIP	100	5%	1/10W
R235	1-216-113-00	RES-CHIP	470K	5%	1/10W	R288	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R236	1-216-113-00	RES-CHIP	470K	5%	1/10W	R289	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R237	1-216-022-00	RES-CHIP	75	5%	1/10W	R290	1-216-025-11	RES-CHIP	100	5%	1/10W
R238	1-216-113-00	RES-CHIP	470K	5%	1/10W	R291	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
R239	1-216-113-00	RES-CHIP	470K	5%	1/10W	R293	1-216-025-11	RES-CHIP	100	5%	1/10W
R241	1-216-113-00	RES-CHIP	470K	5%	1/10W	R294	1-216-077-91	RES-CHIP	15K	5%	1/10W
R242	1-216-049-11	RES-CHIP	1K	5%	1/10W	R295	1-216-025-11	RES-CHIP	100	5%	1/10W
R243	1-216-113-00	RES-CHIP	470K	5%	1/10W	R296	1-216-025-11	RES-CHIP	100	5%	1/10W
R244	1-216-049-11	RES-CHIP	1K	5%	1/10W	R297	1-216-025-11	RES-CHIP	100	5%	1/10W
R245	1-216-022-00	RES-CHIP	75	5%	1/10W	R300	1-216-025-11	RES-CHIP	100	5%	1/10W
R246	1-216-113-00	RES-CHIP	470K	5%	1/10W	R301	1-216-049-11	RES-CHIP	1K	5%	1/10W
R247	1-216-113-00	RES-CHIP	470K	5%	1/10W	R302	1-216-295-11	SHORT			
R248	1-216-113-00	RES-CHIP	470K	5%	1/10W	R902	1-249-405-11	CARBON	100	5%	1/4W
R249	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R921	1-249-405-11	CARBON	100	5%	1/4W
R250	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R923	1-249-405-11	CARBON	100	5%	1/4W
R251	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R925	1-249-405-11	CARBON	100	5%	1/4W
R252	1-216-049-11	RES-CHIP	1K	5%	1/10W	R926	1-216-049-11	RES-CHIP	1K	5%	1/10W
R254	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1051	1-216-073-00	RES-CHIP	10K	5%	1/10W
R257	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1052	1-216-073-00	RES-CHIP	10K	5%	1/10W
R258	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1054	1-216-025-11	RES-CHIP	100	5%	1/10W
R259	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1057	1-216-025-11	RES-CHIP	100	5%	1/10W
R260	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1058	1-216-025-11	RES-CHIP	100	5%	1/10W
R261	1-216-025-11	RES-CHIP	100	5%	1/10W	R1059	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R262	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R1062	1-216-033-00	RES-CHIP	220	5%	1/10W
R263	1-216-025-11	RES-CHIP	100	5%	1/10W	R1063	1-216-073-00	RES-CHIP	10K	5%	1/10W
R264	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R1064	1-216-073-00	RES-CHIP	10K	5%	1/10W
R265	1-216-025-11	RES-CHIP	100	5%	1/10W	R1065	1-216-025-11	RES-CHIP	100	5%	1/10W
R266	1-216-025-11	RES-CHIP	100	5%	1/10W	R1201	1-216-025-11	RES-CHIP	100	5%	1/10W
R267	1-216-025-11	RES-CHIP	100	5%	1/10W	R1202	1-216-025-11	RES-CHIP	100	5%	1/10W
R268	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R1204	1-216-295-11	SHORT			
						R1206	1-216-295-11	SHORT			

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1208	1-216-049-11	RES-CHIP	1K	5%	1/10W	R1289	1-216-295-11	SHORT			
R1209	1-216-295-11	SHORT				R1290	1-216-295-11	SHORT			
R1210	1-216-295-11	SHORT				R1291	1-216-295-11	SHORT			
R1212	1-216-295-11	SHORT				R1292	1-216-295-11	SHORT			
R1213	1-216-295-11	SHORT				R1293	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1215	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R1294	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1216	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1295	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1217	1-216-091-00	RES-CHIP	56K	5%	1/10W	R1300	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1219	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1304	1-216-041-00	RES-CHIP	470	5%	1/10W
R1220	1-216-013-00	RES-CHIP	33	5%	1/10W	R1305	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1221	1-216-121-11	RES-CHIP	1M	5%	1/10W	R1306	1-216-025-11	RES-CHIP	100	5%	1/10W
R1222	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1307	1-216-041-00	RES-CHIP	470	5%	1/10W
R1223	1-216-097-11	RES-CHIP	100K	5%	1/10W	R1308	1-208-776-11	METAL CHIP	560	0.50%	1/10W
R1224	1-216-089-11	RES-CHIP	47K	5%	1/10W	R1309	1-216-025-11	RES-CHIP	100	5%	1/10W
R1225	1-216-097-11	RES-CHIP	100K	5%	1/10W	R2001	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1227	1-216-073-00	RES-CHIP	10K	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1228	1-208-774-11	METAL CHIP	470	0.50%	1/10W	R2002	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1229	1-216-121-11	RES-CHIP	1M	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1230	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2003	1-216-085-00	RES-CHIP	33K	5%	1/10W
R1233	1-216-097-11	RES-CHIP	100K	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1234	1-216-091-00	RES-CHIP	56K	5%	1/10W	R2004	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1235	1-216-013-00	RES-CHIP	33	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1236	1-216-097-11	RES-CHIP	100K	5%	1/10W	R2005	1-216-295-11	SHORT			
R1237	1-216-089-11	RES-CHIP	47K	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1238	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2006	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1240	1-216-295-11	SHORT				(KV-32FV26/34FX260/34FX260C ONLY)					
R1242	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2007	1-216-041-00	RES-CHIP	470	5%	1/10W
R1243	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1244	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2008	1-216-025-11	RES-CHIP	100	5%	1/10W
R1245	1-216-049-11	RES-CHIP	1K	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1261	1-216-025-11	RES-CHIP	100	5%	1/10W	R2009	1-216-025-11	RES-CHIP	100	5%	1/10W
R1263	1-216-295-11	SHORT				(KV-32FV26/34FX260/34FX260C ONLY)					
R1264	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2010	1-216-001-00	RES-CHIP	10	5%	1/10W
R1265	1-216-001-00	RES-CHIP	10	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1266	1-216-041-00	RES-CHIP	470	5%	1/10W	R2011	1-216-041-00	RES-CHIP	470	5%	1/10W
R1267	1-216-025-11	RES-CHIP	100	5%	1/10W	R2015	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1268	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2016	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1269	1-216-041-00	RES-CHIP	470	5%	1/10W	R2017	1-216-295-11	SHORT			
R1270	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2018	1-216-295-11	SHORT			
R1271	1-216-001-00	RES-CHIP	10	5%	1/10W	R2019	1-216-295-11	SHORT			
R1272	1-216-655-11	METAL CHIP	1.5K	0.50%	1/10W	R2022	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1273	1-208-788-11	METAL CHIP	1.8K	0.50%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1276	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2023	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1277	1-216-025-11	RES-CHIP	100	5%	1/10W	(KV-32FV26/34FX260/34FX260C ONLY)					
R1279	1-216-025-11	RES-CHIP	100	5%	1/10W	R2024	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1281	1-216-295-11	SHORT				R2027	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1285	1-216-041-00	RES-CHIP	470	5%	1/10W	R2028	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1287	1-216-295-11	SHORT				R2029	1-216-043-91	RES-CHIP	560	5%	1/10W
R1288	1-216-295-11	SHORT				R2030	1-216-043-91	RES-CHIP	560	5%	1/10W
						R2031	1-216-067-00	RES-CHIP	5.6K	5%	1/10W
						R2032	1-216-067-00	RES-CHIP	5.6K	5%	1/10W

**Note:**

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REF.NO.	PART NO.	DESCRIPTION	REMARK			REF.NO.	PART NO.	DESCRIPTION	REMARK			
R2033	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2103	1-216-017-91	RES-CHIP	47	5%	1/10W	
R2034	1-216-057-00	RES-CHIP	2.2K	5%	1/10W			(KV-32FV26/34FX260/34FX260C ONLY)				
R2035	1-208-776-11	METAL CHIP	560	0.50%	1/10W			R2104	1-216-295-11	SHORT		
R2036	1-208-775-11	METAL CHIP	510	0.50%	1/10W			R2105	1-216-295-11	SHORT		
R2037	1-216-051-00	RES-CHIP	1.2K	5%	1/10W			R2106	1-216-295-11	SHORT		
R2038	1-216-033-00	RES-CHIP	220	5%	1/10W	R2107	1-216-295-11	SHORT				
R2039	1-216-047-91	RES-CHIP	820	5%	1/10W	R2113	1-216-017-91	RES-CHIP	47	5%	1/10W	
R2040	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2115	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2041	1-216-047-91	RES-CHIP	820	5%	1/10W	R2153	1-216-295-11	SHORT				
R2042	1-216-075-00	RES-CHIP	12K	5%	1/10W	R2201	1-216-022-00	RES-CHIP	75	5%	1/10W	
R2043	1-216-085-00	RES-CHIP	33K	5%	1/10W	R2202	1-216-022-00	RES-CHIP	75	5%	1/10W	
R2044	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2203	1-216-022-00	RES-CHIP	75	5%	1/10W	
R2046	1-216-075-00	RES-CHIP	12K	5%	1/10W	R2204	1-216-295-11	SHORT				
R2047	1-216-085-00	RES-CHIP	33K	5%	1/10W	R3303	1-216-295-11	SHORT				
R2048	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3304	1-216-295-11	SHORT				
R2049	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R3305	1-216-043-91	RES-CHIP	560	5%	1/10W	
R2050	1-216-017-91	RES-CHIP	47	5%	1/10W	R3308	1-216-033-00	RES-CHIP	220	5%	1/10W	
R2051	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3310	1-216-033-00	RES-CHIP	220	5%	1/10W	
R2052	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3312	1-216-037-00	RES-CHIP	330	5%	1/10W	
R2053	1-216-041-00	RES-CHIP	470	5%	1/10W	R3313	1-216-025-11	RES-CHIP	100	5%	1/10W	
R2054	1-216-041-00	RES-CHIP	470	5%	1/10W	R3314	1-216-025-11	RES-CHIP	100	5%	1/10W	
R2055	1-216-017-91	RES-CHIP	47	5%	1/10W	R3316	1-216-295-11	SHORT				
R2056	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R3319	1-216-295-11	SHORT				
R2057	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3320	1-216-295-11	SHORT				
R2058	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R3322	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2059	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3323	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2060	1-216-025-11	RES-CHIP	100	5%	1/10W	R3324	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2061	1-216-043-91	RES-CHIP	560	5%	1/10W	R3327	1-216-295-11	SHORT				
R2062	1-216-105-91	RES-CHIP	220K	5%	1/10W	R3343	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2063	1-216-089-11	RES-CHIP	47K	5%	1/10W	R3344	1-216-049-11	RES-CHIP	1K	5%	1/10W	
R2064	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3345	1-216-295-11	SHORT				
R2065	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3346	1-216-049-11	RES-CHIP	1K	5%	1/10W	
		(KV-32FV26/34FX260/34FX260C ONLY)				R3347	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	
R2066	1-216-033-00	RES-CHIP	220	5%	1/10W	R3348	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	
R2067	1-216-048-00	RES-CHIP	910	5%	1/10W	R3350	1-216-295-11	SHORT				
R2068	1-216-295-11	SHORT				R3355	1-216-295-11	SHORT				
R2069	1-208-776-11	METAL CHIP	560	0.50%	1/10W	R3357	1-216-295-11	SHORT				
R2070	1-216-646-11	METAL CHIP	620	0.50%	1/10W	R3358	1-216-033-00	RES-CHIP	220	5%	1/10W	
R2071	1-216-067-00	RES-CHIP	5.6K	5%	1/10W	R3359	1-216-047-91	RES-CHIP	820	5%	1/10W	
R2072	1-216-043-91	RES-CHIP	560	5%	1/10W	R3360	1-216-053-00	RES-CHIP	1.5K	5%	1/10W	
R2073	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3361	1-216-045-00	RES-CHIP	680	5%	1/10W	
R2074	1-216-025-11	RES-CHIP	100	5%	1/10W	R3370	1-216-295-11	SHORT				
R2076	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3374	1-216-295-11	SHORT				
R2077	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3375	1-216-295-11	SHORT				
R2078	1-216-041-00	RES-CHIP	470	5%	1/10W	R3376	1-216-295-11	SHORT				
R2079	1-216-049-11	RES-CHIP	1K	5%	1/10W	R3377	1-216-295-11	SHORT				
R2092	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R3378	1-216-295-11	SHORT				
R2093	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	R3379	1-216-043-91	RES-CHIP	560	5%	1/10W	
						R3380	1-216-033-00	RES-CHIP	220	5%	1/10W	

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
CRYSTAL				C1947	1-136-165-00	FILM	0.1 μ F 5% 50V
X2001	1-767-606-11	VIBRATOR, CRYSTAL		C1948	1-164-161-11	CERAMIC CHIP	0.0022 μ F 10% 50V
X2002	1-767-367-21	VIBRATOR, CERAMIC (KV-32FV26/34FX260/34FX260C ONLY)		C1961	1-129-725-00	FILM	0.082 μ F 5% 400V
X3302	1-781-929-21	VIBRATOR, CRYSTAL		C1962	1-163-021-91	CERAMIC CHIP	0.01 μ F 10% 50V
				C1965	1-135-881-11	FILM	0.01 μ F 5% 630V
				C1966	1-137-378-11	MYLAR	0.22 μ F 5% 50V
				C1968	1-137-378-11	MYLAR	0.22 μ F 5% 50V
				C1972	1-104-664-11	ELECT	47 μ F 20% 25V
				C1974	1-104-664-11	ELECT	47 μ F 20% 25V
				CONNECTOR			
				CN941 *	1-564-511-11	PLUG, CONNECTOR 8P	
				CN942 *	1-564-508-11	PLUG, CONNECTOR 5P	
				CN961 *	1-770-723-11	CONNECTOR, BOARD TO BOARD 8P	
				CN981 *	1-564-506-11	PLUG, CONNECTOR 3P	
				DIODE			
				D941	8-719-991-33	DIODE 1SS133T-77	
				D943	8-719-991-33	DIODE 1SS133T-77	
				D944	8-719-991-33	DIODE 1SS133T-77	
				D945	8-719-109-89	DIODE MTZJ-T-77-5.6C	
				D946	8-719-110-88	DIODE MTZJ-T-77-39	
				D947	8-719-110-88	DIODE MTZJ-T-77-39	
				D950	8-719-991-33	DIODE 1SS133T-77	
				D951	8-719-991-33	DIODE 1SS133T-77	
				D962	8-719-991-33	DIODE 1SS133T-77	
				D963	8-719-073-01	DIODE MA111-TX	
				D964	8-719-210-21	DIODE ERA82-004TP5	
				D966	8-719-075-41	DIODE PR1004GT	
				D1961	8-719-991-33	DIODE 1SS133T-77	
				D1962	8-719-991-33	DIODE 1SS133T-77	
				FERRITE BEAD			
				FB901	1-410-397-21	FERRITE	1.1 μ H
				FB902	1-410-397-21	FERRITE	1.1 μ H
				IC			
				IC961	8-759-803-42	IC LA6500-FA	
				IC962	8-759-659-67	IC NJM2903D	
				IC963	8-759-659-67	IC NJM2903D	
				IC964	8-759-700-42	IC NJM2904D	
				IC965	8-759-701-59	IC NJM78M09FA	
				COIL			
				L961	1-459-104-00	COIL, WITH CORE	
				L964	1-406-989-21	INDUCTOR	10mH



* A-1375-187-A WA COMPLETE PC BOARD

4-382-854-11 SCREW (M3X10), P, SW (+)

CAPACITOR

C941	1-126-942-61	ELECT	1000 μ F	20%	25V
C944	1-126-964-11	ELECT	10 μ F	20%	50V
C946	1-104-665-11	ELECT	100 μ F	20%	25V
C947	1-104-664-11	ELECT	47 μ F	20%	25V
C949	1-161-830-00	CERAMIC	0.0047 μ F		500V
C950	1-126-941-11	ELECT	470 μ F	20%	25V
C951	1-107-645-11	ELECT	22 μ F	20%	160V
C952	1-104-999-11	MYLAR	0.1 μ F	10%	200V
C953	1-106-383-00	MYLAR	0.047 μ F	10%	200V
C954	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C955	1-107-667-11	ELECT	2.2 μ F	20%	160V
C956	1-130-471-00	MYLAR	0.001 μ F	5%	50V
C957	1-106-383-00	MYLAR	0.047 μ F	10%	200V
C958	1-126-941-11	ELECT	470 μ F	20%	25V
C960	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C961	1-164-004-11	CERAMIC CHIP	0.1 μ F	10%	25V
C962	1-126-964-11	ELECT	10 μ F	20%	50V
C963	1-126-963-11	ELECT	4.7 μ F	20%	50V
C964	1-110-501-11	CERAMIC CHIP	0.33 μ F	10%	16V
C965	1-104-664-11	ELECT	47 μ F	20%	25V
C966	1-126-960-11	ELECT	1 μ F	20%	50V
C967	1-126-964-11	ELECT	10 μ F	20%	50V
C968	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C970	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C971	1-104-664-11	ELECT	47 μ F	20%	25V
C972	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C973	1-163-021-91	CERAMIC CHIP	0.01 μ F	10%	50V
C974	1-137-150-11	MYLAR	0.01 μ F	5%	50V
C976	1-130-967-00	FILM	0.0027 μ F	5%	50V
C977	1-104-760-11	CERAMIC CHIP	0.047 μ F	10%	50V
C1941	1-126-941-11	ELECT	470 μ F	20%	25V
C1946	1-136-165-00	FILM	0.1 μ F	5%	50V

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
TRANSISTOR				R965	1-216-077-91	RES-CHIP	15K 5% 1/10W
Q941	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R966	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q942	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R967	1-216-071-00	RES-CHIP	8.2K 5% 1/10W
Q943	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R968	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
Q944	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R969	1-216-025-11	RES-CHIP	100 5% 1/10W
Q945	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R970	1-208-822-11	METAL CHIP	47K 0.50% 1/10W
Q946	8-729-045-05	TRANSISTOR 2SA2005		R971	1-216-049-11	RES-CHIP	1K 5% 1/10W
Q947	8-729-045-04	TRANSISTOR 2SC5511		R972	1-216-065-91	RES-CHIP	4.7K 5% 1/10W
Q948	8-719-914-43	DIODE DAN202K-T-146		R973	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q949	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R974	1-208-808-11	METAL CHIP	12K 0.50% 1/10W
Q961	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R975	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q962	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R976	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q963	8-729-119-76	TRANSISTOR 2SA1309A-QRSTA		R977	1-249-401-11	CARBON	47 5% 1/4W
Q965	8-729-931-45	TRANSISTOR IRF614		R978	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q966	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R979	1-216-033-00	RES-CHIP	220 5% 1/10W
Q967	8-729-140-97	TRANSISTOR 2SB734-T-34		R980	1-216-073-00	RES-CHIP	10K 5% 1/10W
Q968	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R981	1-216-081-00	RES-CHIP	22K 5% 1/10W
Q969	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R982	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
Q1961	8-729-140-97	TRANSISTOR 2SB734-T-34		R983	1-249-381-11	CARBON	1 5% 1/4W
Q1963	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R984	1-249-383-11	CARBON	1.5 5% 1/4W
Q1964	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R985	1-215-421-00	METAL	1K 1% 1/4W
Q1966	8-729-422-27	TRANSISTOR 2SD601A-QRS-TX		R986	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
Q1967	8-729-216-22	TRANSISTOR 2SB709A-QRS-TX		R988	1-215-429-00	METAL	2.2K 1% 1/4W
RESISTOR				R990	1-216-025-11	RES-CHIP	100 5% 1/10W
R941	1-249-420-11	CARBON	1.8K 5% 1/4W	R991	1-208-800-11	METAL CHIP	5.6K 0.50% 1/10W
R943	1-216-033-00	RES-CHIP	220 5% 1/10W	R992	1-208-794-11	METAL CHIP	3.3K 0.50% 1/10W
R944	1-216-049-11	RES-CHIP	1K 5% 1/10W	R993	1-216-049-11	RES-CHIP	1K 5% 1/10W
R945	1-216-049-11	RES-CHIP	1K 5% 1/10W	R994	1-216-025-11	RES-CHIP	100 5% 1/10W
R946	1-215-888-00	METAL OXIDE	220 5% 2W	R995	1-216-051-00	RES-CHIP	1.2K 5% 1/10W
R947	1-216-025-11	RES-CHIP	100 5% 1/10W	R1941	1-260-312-11	CARBON	47 5% 1/2W
R949	1-216-057-00	RES-CHIP	2.2K 5% 1/10W	R1942	1-249-387-11	CARBON	3.3 5% 1/4W
R950	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1943	1-249-414-11	CARBON	560 5% 1/4W
R951	1-216-049-11	RES-CHIP	1K 5% 1/10W	R1944	1-249-432-11	CARBON	18K 5% 1/4W
R952	1-216-041-00	RES-CHIP	470 5% 1/10W	R1945	1-215-914-11	METAL OXIDE	330 5% 3W
R953	1-216-021-00	RES-CHIP	68 5% 1/10W	R1946	1-249-417-11	CARBON	1K 5% 1/4W
R954	1-216-033-00	RES-CHIP	220 5% 1/10W	R1947	1-249-432-11	CARBON	18K 5% 1/4W
R955	1-216-047-91	RES-CHIP	820 5% 1/10W	R1948	1-249-414-11	CARBON	560 5% 1/4W
R956	1-216-025-11	RES-CHIP	100 5% 1/10W	R1949	1-249-387-11	CARBON	3.3 5% 1/4W
R957	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1950	1-249-401-11	CARBON	47 5% 1/4W
R958	1-216-025-11	RES-CHIP	100 5% 1/10W	R1951	1-216-097-11	RES-CHIP	100K 5% 1/10W
R959	1-216-021-00	RES-CHIP	68 5% 1/10W	R1952	1-216-097-11	RES-CHIP	100K 5% 1/10W
R960	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1953	1-216-085-00	RES-CHIP	33K 5% 1/10W
R961	1-216-091-00	RES-CHIP	56K 5% 1/10W	R1954	1-216-089-11	RES-CHIP	47K 5% 1/10W
R962	1-216-077-91	RES-CHIP	15K 5% 1/10W	R1955	1-208-808-11	METAL CHIP	12K 0.50% 1/10W
R963	1-216-065-91	RES-CHIP	4.7K 5% 1/10W	R1956	1-216-057-00	RES-CHIP	2.2K 5% 1/10W
R964	1-216-073-00	RES-CHIP	10K 5% 1/10W	R1957	1-216-295-11	SHORT	
				R1958	1-216-061-00	RES-CHIP	3.3K 5% 1/10W
				R1959	1-216-073-00	RES-CHIP	10K 5% 1/10W

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The components identified by shading and mark \triangle are critical for safety. Replace only with part number specified.

Note:

Les composants identifiés par un trame et une marque \triangle sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.



REF.NO.	PART NO.	DESCRIPTION	REMARK		
R1960	1-216-037-00	RES-CHIP	330	5%	1/10W
R1961	1-208-824-11	METAL CHIP	56K	0.50%	1/10W
R1962	1-208-806-11	METAL CHIP	10K	0.50%	1/10W
R1963 \triangle	1-216-033-00	RES-CHIP	220	5%	1/10W
R1964	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1967	1-215-489-00	METAL	680K	1%	1/4W
R1969	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1970	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1971	1-216-121-11	RES-CHIP	1M	5%	1/10W
R1972	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1973	1-216-035-00	RES-CHIP	270	5%	1/10W
R1975	1-208-808-11	METAL CHIP	12K	0.50%	1/10W
R1976	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R1978	1-216-025-11	RES-CHIP	100	5%	1/10W
R1980	1-216-041-00	RES-CHIP	470	5%	1/10W
R1981	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1982	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1983	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1984	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1987	1-216-097-11	RES-CHIP	100K	5%	1/10W
R1989	1-208-818-11	METAL CHIP	33K	0.50%	1/10W
R1990	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1991	1-216-081-00	RES-CHIP	22K	5%	1/10W
R1992	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2962	1-215-885-00	METAL OXIDE	68	5%	2W
R2963	1-215-885-00	METAL OXIDE	68	5%	2W
R2965	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2968	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2969	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R2971	1-216-089-11	RES-CHIP	47K	5%	1/10W
R2972	1-216-113-00	RES-CHIP	470K	5%	1/10W
R2973	1-216-025-11	RES-CHIP	100	5%	1/10W
R2975	1-216-061-00	RES-CHIP	3.3K	5%	1/10W
R2976	1-216-025-11	RES-CHIP	100	5%	1/10W
R2979	1-216-097-11	RES-CHIP	100K	5%	1/10W
R2980	1-216-097-11	RES-CHIP	100K	5%	1/10W

VARIABLE RESISTOR

RV941 1-238-019-11 RES, ADJ, CARBON 47K

REF.NO.	PART NO.	DESCRIPTION	REMARK
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ACCESSORIES

- * 4-041-259-01 BAG, PROTECTION
(ALL EXCEPT KV-32FV16)
- * 4-053-658-01 BAG, PROTECTION
(KV-32FV16 ONLY)
- * 4-069-471-01 CARTON, INDIVIDUAL
(KV-32FV16 ONLY)
- * 4-069-471-11 CARTON, INDIVIDUAL
(ALL EXCEPT KV-32FV16)
- 4-068-786-02 CUSHION ASSY, UPPER
(KV-32FV16 ONLY)
- * 4-068-786-12 CUSHION ASSY, UPPER
(ALL EXCEPT KV-32FV16)
- * 4-068-786-02 CUSHION ASSY, UPPER
(KV-32FV16 ONLY)
- * 4-068-789-01 CUSHION ASSY, LOWER
(KV-32FV16 ONLY)
- * 4-068-789-11 CUSHION ASSY, LOWER
(ALL EXCEPT KV-32FV16)
- 8-953-742-90 HEADPHONE MDR-IF0230//K SET
(KV-32FV26/34FX260/34FX260C ONLY)
- 4-075-587-21 MANUAL, INSTRUCTION
(KV-32FV26 ONLY)
- 4-075-587-31 MANUAL, INSTRUCTION
(KV-32FV26CND ONLY)
- 4-075-587-22 MANUAL, INSTRUCTION
(KV-32FV16 ONLY)
- 4-075-588-41 MANUAL, INSTRUCTION
(KV-34FV16/34FV16C/34FX260/34FX260C ONLY)

REMOTE COMMANDER

- 1-418-465-11 REMOTE COMMANDER (RM-Y170)
(KV-32FV26/34FX260/34FX260C ONLY)
- 1-418-496-11 REMOTE COMMANDER (RM-Y171)
(KV-32FV16/34FV16/34FV16C ONLY)
- 4-978-977-01 BATTERY COVER (RM-Y170/RM-Y171)

